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OCS Statistical Report
MMS 89-0066

April 1989

Environmental Studies Contract and Report Index

Offshore Environmental Studies Program

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U.S. Department of the Interior
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Compiled by Joann Goiden
Technical information Specialist
Environmental Studies Section
Pacific OCS Region

U. S. Department of the Interior
Minerals Management Service
Pacific OCS Region
Environmental Studies Section
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Disclaimer

"This report has been reviewed by the Pacific Outer Continental Shelf Region, Minerals Management Service, U.S. Department of the Interior and approved for publication. The statistical information contained in the Index was gathered from contractual and in-house publications. Mention of trade names or commercial products does not constitute endorsement or recommendations for use. This report has not been edited for conformity with Minerals Management Service editorial standards. All efforts were made to follow newly implemented MMS publications guidelines."

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Introduction

The following material is an index of past and current contracts/studies and their reports produced through the Minerals Management Service (MMS) Environmental Studies Program in the Pacific Outer Continental Shelf (OCS) Region. Many of these contracts/studies are specific to one or more Pacific OCS Region Planning Areas (Northern, Central and Southern California, and Oregon and Washington), while a few are "national contracts/studies" with results applicable to all OCS Regions. This index provides interested parties with a quick reference to Pacific OCS Region environmental contracts/studies by discipline topic, contract number and planning area.

Information is also provided on report availability. In most cases, reports can be obtained through the MMS Depository Library network (see Section 14) and/or through the National Technical Information Service (NTIS [see Section 14]). Most reports are available for review at the Pacific OCS Region office. A limited number of current reports are available without cost from the Pacific OCS Region for a period of one year from the announcement of the report on a first come basis. For more information on report availability, please call Ms. Frieda Star at (213) 894-2062.

The Branch of Environmental Studies, Headquarters, has contracted many studies which are applicable to Pacific OCS Region Planning Areas not listed in this index. To obtain a list of these studies, please contact: U.S. Department of Interior, Minerals Management Service, Branch of Environmental Studies, MS 644, Parkway Atrium Bldg., 381 Elden St., Herndon, VA 22070-4817.

An update of the index will be issued at the end of each year from date of printing. Information on the status of contracts may also be found in the Environmental Studies Section's Quarterly Report and the Pacific OCS Region Current Events.

If readers have any questions regarding this index, please contact Joann Golden, Technical Information Specialist, Environmental Studies Section, Pacific OCS Region, 1340 W. 6th St., Los Angeles, CA 90017 or (213) 894-3379.

Contract and Report Format

The Pacific OCS Region Studies Program was initiated in 1974 under the Bureau of Land Management (BLM). In May 1982, all active contracts were administered within the Minerals Management Service (MMS).

Listed below is a format description for each completed or active study supported by the Pacific OCS Region.

Each study is issued as a Contract (CT), Interagency Agreement (IA), Memorandum of Understanding (MU), Cooperative Agreement (CA), or MMS Contract Number. CTs/IAs/MUs/CAs issued under the Bureau of Land Management (BLM) are identified by the specific contract awarded in a given fiscal year (e.g., CT8-46 is the 46th contract awarded in FY 1978 by BLM; CT1-46 is the 46th contract awarded in FY 1981 by BLM). All MMS contracts in this Index have a specific 5-character number identification (e.g., 30025). For convenience, the 8-character (MMS) prefix code (14-12-0001) has not been used when studies are referred to in this index. Contracts awarded under the BLM and still active in May 1982 have dual designations (e.g., CT1-39; 29188).

CONTRACT NO.:	Lists the appropriate number before each contract/ study identified.
CONTRACT TITLE:	Lists the initial contract or program title. This often differs from the final report title.
REPORT(S):	Lists contractual reports produced by the contractor or other parties in conjunction with the above contract or program.
AWARD DATE:	Lists the date of contract award and identifies whether complete or active.
TOTAL COST:	Lists cost of the contract.
PLANNING AREA(S):	Lists appropriate area(s) of contract and report(s). Studies are also indexed by planning area(s).
PROGRAM MANAGER(S):	Lists the administrative head or principal scientist for the study. Unless otherwise noted, affiliation is with the prime contractor.
AFFILIATION:	Lists the name and address of the Program Manager as stated in the contract.
COTR:	Lists the BLM/MMS Contracting Officer's Technical Representative responsible for the technical monitoring of the study. Where applicable, other COTRs are included.
AVAILABILITY:	Lists sources of the study reports, including the National Technical Information Service (NTIS), the NTIS No.; depository libraries; and/or Pacific OCS Region (loan or reading copy). Reference numbers for final reports or special cases are noted.
OTHER PUBLICATIONS:	Lists publications and related material making use of study data. These often represent individual efforts of the authors to further elaborate on results obtained under the BLM/MMS contract.

The reports and publications listed within this document are a compilation of information produced from outside contracts and in-house research.

1. Air Quality

CONTRACT NO.: CT7-18

CONTRACT TITLE: Southern California Bight Air Quality Modeling

REPORT(S): AeroVironment, Inc. 1977. Air Quality Analysis of the Southern California Bight in Relation to Potential Impact of Offshore Oil and Gas Development. Technical Report, Vol. I. 450 pp. AV-FR 7112. Executive Summary. Report AV-FR 7125, 16 pp.; Literature Survey. 211 pp. EIS Sections. 97 pp. Report AV-FR 7112, (NTIS No. PB279088/9)

AWARD DATE: 04/77 (complete)
TOTAL COST: $131,832
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Michael Chan
AFFILIATION: AeroVironment, Inc., Pasadena, CA
COTR: Mr. Thomas Cooke
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT8-50; 29086

CONTRACT TITLE: Southern California Air Quality Assistance, Lease Sale No. 48

REPORT(S): AeroVironment Inc. 1978. Southern California Air Quality. EIS Sections, Lease Sale No. 48.

AWARD DATE: 09/78 (complete)
TOTAL COST: $34,265
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Unknown
AFFILIATION: AeroVironment, Inc., Pasadena, CA
COTR: Unknown
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-23

CONTRACT TITLE: Air Quality Analysis in Relation to Potential OCS Oil and Gas Development off Central and Northern California

REPORT(S): Environmental Resources Group. 1980. Air Quality Analysis of the Potential Impact of Offshore Oil and Gas Development in Central and Northern

California. Executive Summary. Environmental Resources Group, Los Angeles, CA. Vol. I. 41 pp. (NTIS No. PB82106352)

Environmental Resources Group. 1980. Air Quality Analysis of the Potential Impact of Offshore Oil and Gas Development in Central and Northern California. Technical Analysis. Environmental Resources Group, Los Angeles, CA. Vol. II. 344 pp. plus appendices. (NTIS No. PB82106360)

Environmental Resources Group. 1980. Air Quality Analysis of the Potential Impact of Offshore Oil and Gas Development in Central and Northern California. Supplement. Environmental Resources Group, Los Angeles, CA. Vol. III. 81 pp. (NTIS No. PB82106378)

AWARD DATE: 08/79 (complete)
TOTAL COST: $170,575
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Steve Kahane
AFFILIATION: Environmental Resources Group, Los Angeles, CA
COTR: Mr. Kevin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: IAO-43; 29018

CONTRACT TITLE: Offshore Meteorological and Tracer Measurements in Offshore Southern California Coastal Waters

REPORT(S):

Schacher, G.E., K.L. Davidson, C.A. Leonard, D.E. Spiel, and C.W. Fairall. 1981. Offshore Transport and Diffusion in the Los Angeles Bight. NPS Data Summary. Naval Postgraduate School, Monterey, CA. NPS-61-81-004. Vol. I. 57 pp. (NTIS No. AD-A096011)

Schacher, G.E., K.L. Davidson, C.A. Leonard, D.E. Spiel, and C.W. Fairall. 1981. Offshore Transport and Diffusion in the Los Angeles Bight. NPS Data Summary. Naval Postgraduate School, Monterey, CA. NPS-61-81-025. Vol. II. 109 pp. (NTIS No. AD-A098341)

Schacher, G.E., K.L. Davidson, C.A. Leonard, D.E. Spiel, and C.W. Fairall. 1982. Comparison of Overwater Stability Classification Schemes With Measured Wind Direction Variability: Offshore

Transport and Diffusion in the Los Angeles Bight. Naval Postgraduate School, Monterey, CA. NPS-61-82-002, 58 pp. (NTIS No. AD-A109577)

AWARD DATE: 07/80 (complete)
TOTAL COST: $65,064
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Gordon Schacher
AFFILIATION: Naval Postgraduate School, Monterey, CA
COTR: Mr. Dirk Herkhof
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-64; 29020

CONTRACT TITLE: Southern California Air Quality Trajectory Model Study

REPORT(S): Environmental Resources Group. 1981. Air Quality Analysis of the Potential Impact of OCS Lease Sale No. 68, Offshore Southern California. Executive Summary. Environmental Resources Group, Los Angeles, CA. Year 1. Vol. I. 35 pp. (NTIS No. PB82139510)

Environmental Resources Group. 1981. Air Quality Analysis of the Potential Impact of OCS Lease Sale No. 68, Offshore Southern California. Supplement. Environmental Resources Group, Los Angeles, CA. Year 2. Vol. I. 22 pp. (NTIS No. PB82139528) POCS Technical Paper 81-7.

AWARD DATE: 09/80 (complete)
TOTAL COST: $174,548
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Steve Kahane
AFFILIATION: Environmental Resources Group, Los Angeles, CA
COTR: Mr. Kevin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: IA2-01; 29025

CONTRACT TITLE: Central California Air Quality Model Validation Study

REPORT(S): U.S. Naval Postgraduate School. 1981. California Coastal Offshore Transport and Diffusion Experiments - Meteorological Conditions and Data. 283 pp. (Ship support for Contract No. CT2-6; 29114)

AWARD DATE: 10/81 (complete)
TOTAL COST: $95,195
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Gordon Schacher
AFFILIATION: U.S. Naval Postgraduate School, Monterey, CA
COTR: Messrs. Martin Golden and Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-56; 29101

CONTRACT TITLE: Southern California Offshore Air Quality Model Validation Study

REPORT(S): AeroVironment, Inc. 1981. Southern California Offshore Air Quality Model Validation Study. Executive Summary. AeroVironment, Inc. Report AV-FR-81/599. Vol. I. 7 pp. (NTIS No. PB82190710)

AeroVironment, Inc. 1981. Southern California Offshore Air Quality Model Validation Study. Synthesis of Findings. AeroVironment, Inc. Report AV-FR-81/559. Vol. II. 153 pp. (NTIS No. PB82190729)

AeroVironment, Inc. 1981. Data Submission for Offshore Tracer Study in Ventura County. AeroVironment, Inc. Tracer Gas and Meteorological Data (DP-80-056), Vol. I. 227 pp.; Doppler Acoustic Radar Data (DO-81-008), Vol. II. 320 pp. (NTIS No. PB83149344)

AWARD DATE: 08/80 (complete)
TOTAL COST: $270,724
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Messrs. P. Zannetti and David Wilbur
AFFILIATION: AeroVironment, Inc., Pasadena, CA
COTR: Mr. Kevin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT1-44; 29110

CONTRACT TITLE: Air Quality Trajectory Modeling for OCS Lease Sales 73 and 80

REPORT(S): Rastegar, H. (Manager). 1983. A Handbook for Estimating the Potential Air Quality Impacts Associated with Oil and Gas Development Offshore California. Form and Substance, Inc. 590 pp.

Rastegar, H. (Manager). 1983. Air Quality Impact of the Proposed Southern California OCS Lease Offering in 1984. Executive Summary. Form & Substance, Inc. 343 pp. POCS Technical Paper No. 83-8.

Rastegar, H. (Manager). 1983. Air Quality Impacts of Proposed OCS Sale No. 73 Offshore Central California. Executive Summary. Form & Substance, Inc. 343 pp. POCS Technical Paper No. 83-2.

AWARD DATE: 05/81 (complete)
TOTAL COST: $320,468
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Hamid Rastegar
AFFILIATION: Form & Substance, Inc., Westlake Village, CA
SUBCONTRACTOR(S): Jacobs Engineering Group, Inc.
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT2-06; 29114

CONTRACT TITLE: Central California Coastal Air Quality Model Validation Study: Data Analysis and Model Evaluation

REPORT(S):

Dabberdt, W.F., W.B. Johnson, R. Brodzinsky, and R.E. Ruff. 1983. Central California Coastal Air Quality Model Validation Study: Data Analysis and Model Evaluation. SRI International, Menlo Park, CA. SRI Project 3868. OCS Study MMS 84-0055. 292 pp. plus appendices. (NTIS No. PB89192991)

Brodzinsky, R., W.B. Johnson, B.K. Cantrell, J.D. Lee, and R.E. Stiles. 1982. Central California Coastal Air Quality Model Validation Study: Data Compilation for the December 1981 Field Experiment. SRI International, Menlo Park, CA. SRI Project 3868. Discrete Tracer Gas Concentration and Meteorological Data. Vol. 1. 285 pp.; Continuous Gas Concentration. Vol. 2. 466 pp.

Brodzinsky, R., W.B. Johnson, B.K. Cantrell, L. Jones, and R.E. Stiles. 1982. Central California Coastal Air Quality Model Validation Study: Data Compilation for the June 1982 Field Experiment. 1982. SRI International, Menlo Park, CA. SRI Project 3868. Meteological Data and Tracer Gas Concentration Data from Beach Samplers and Secondary Aricraft. Vol. 1. 551 pp.; Continuous Tracer Gas Concentration Data from Primary Aircraft and Mobile Van. 1086 pp.

AWARD DATE: 11/81 (complete)
TOTAL COST: $469,058
PLANNING AREA(S): Central California
PROGRAM MANAGER(S): Dr. Warren B. Johnson
AFFILIATION: SRI International, Menlo Park, CA; North America Weather
SUBCONTRACTOR(S): Consultants (NAWC); Brookhaven National Laboratory (BNL)
COTR: Messrs. Martin Golden and Dirk Herkhof
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30127

CONTRACT TITLE: Air Quality Modeling for California OCS Lease Sales

REPORT(S): Air Quality Impact of the Proposed OCS Lease Sale No. 91 Offshore Northern California. OCS Study MMS 87-0063. 433 pp.

AWARD DATE: 07/84 (active)
TOTAL COST: $441,329
PLANNING AREA(S): Northern and Southern California
PROGRAM MANAGER(S): Mr. James Goepel
AFFILIATION: Jacobs Engineering Group, Inc., Pasadena, CA
SUBCONTRACTOR(S): Applied Modeling, Inc.
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Reading Copy (Active study)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30261

CONTRACT TITLE: Operation of a Portable Remote Observation of the Environment (PROBE) Station Network

REPORT(S): Information on Magnetic tape (see Contract No. 30302)

AWARD DATE: 09/85 (complete)
TOTAL COST: $20,761
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Dean Newkirk
AFFILIATION: Bureau of Reclamation, USDOI
COTR: Mr. Dirk Herkhof
AVAILABILITY: Mr. Tom Chico, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Lev-On, M., M. Makl, D.B. Gemmill, and F.W. Doerfler. 1986. SCCCAMP Aerometric Monitoring and PROBE Networks. Summary of Network Operations. Vol. I. 171 pp. Data Summaries. Vol. II. 373 pp. EMSI Report No. EMSI-1307.DFR. Environmental Monitoring & Services, Inc., Thousand Oaks, CA.

CONTRACT NO.: 30277

CONTRACT TITLE: South Central Coast Cooperative Aerometric Monitoring Program - Operation of a Dual-Doppler Radar System

REPORT(S): Information on magnetic tape (see Contract No. 30302)

AWARD DATE: 08/85 (complete)
TOTAL COST: $192,500
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Bob Kropfli
AFFILIATION: NOAA, Wave Propagation Laboratory, Boulder, CO
COTR: Messrs. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Kropfli, R. 1986. Airflow Characteristics in the Marine Boundary Layer Over the Santa Barbara Channel During SCCCAMP: Part 1. Summary of Dual-Doppler Radar Observations. National Oceanic Atmospheric Administration (NOAA) Technical Memorandum ERL WPL-141. NOAA, Wave Propagation Laboratory, Boulder, CO.

Kropfli, R. 1986. Characteristics of Terrain-forced Eddies in the Marine Planetary Boundary Layer From Doppler Radar Observations and a Mesoscale Numerical Model. Presentation at the 23rd Conference on Radar Meteorology and Conference on Cloud Physics. National Oceanic Atmospheric Administration (NOAA).

Kropfli, R., et al. 1987. Two Dimensional Flows Over the Santa Barbara Channel Measured by Dual-Doppler Radar During SCCCAMP. Presentation at the 80th Annual Meeting of APCA on June 21-26, 1987 in New York, NY.

Kroplfi, R., et al. 1988. Characteristics of Atmospheric Boundary Layer Eddies in the Santa Barbara Channel During SCCCAMP. Presentation at the 4th Conference of Meteorology and Oceanography of the Coastal Zone on February 3-5, 1988 in Anaheim, CA.

CONTRACT NO.: 30302

CONTRACT TITLE: Production of a Data Archive for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP)

REPORT(S): Endlich, R.M., A.P. Valdes, and W. Viezee. 1987. User's Guide to the Data Archive for the South Central Coast Cooperative Aerometric Monitoring

Program (SCCCAMP). SRI International, Menlo Park, Ca. OCS Study MMS 87-0088. 86 pp.

McElroy, J.L., et al. 1988. Airborne Downward-Looking Lidar Measurements During the South Central Coast Cooperative Aerometric Monitoring Program. SRI Project 2732. SRI International, Menlo Park, Ca. OCS Study MMS 88-0008. 232 pp.

Viezee, W., R.M. Endlich, and J. Kealoha. 1987. Auxiliary Data Volume for the 1985 SCCCAMP Meteorological and Air Quality Archive. SRI International, Menlo Park, Ca. OCS Study MMS 87-0087. 323 pp.

Data archive on magnetic tape

AWARD DATE: 09/86 (complete)
TOTAL COST: $358,999
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Roy Endlich
AFFILIATION: SRI International, Menlo Park, CA
COTR: Mr. Tom Chico
AVAILABILITY: Mr. Tom Chico, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Chico, T.R. 1987. Dynamic Bibliography for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP). MMS, Pacific OCS Region, Los Angeles, CA.
Dabberdt, W.F. and W. Viezee. 1987. South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP). Bulletin of American Meteorological Society 68:1098-1110.

CONTRACT NO.: 30329

CONTRACT TITLE: South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP) Data Analysis

REPORT(S): Active contract

AWARD DATE: 09/86 (active)
TOTAL COST: $912,251
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Steven R. Hanna
AFFILIATION: Sigma Research Corporation, Westford, MA
SUBCONTRACTOR(S): Systems Applications, Inc.; AeroVironment, Inc.
COTR: Mr. Tom Chico
AVAILABILITY: Active contract
OTHER PUBLICATIONS: Chico, T.R. 1987. Dynamic Bibliography for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP). MMS, Pacific OCS Region, Los Angeles, CA

CONTRACT NO.: 30400

CONTRACT TITLE: Photochemical Model Evaluation and Performance for the Santa Barbara County State Implementation Plan

REPORT(S): Tesche, T.W. 1988. Photochemical Modeling of 1984 SCCCAMP Oxidant Episodes: Protocol for Model Selection, Adaptation, and Performance Evaluation. Radian Corporation, Sacramento, Ca. Vol. I. 134 pp.

Tesche, T.W., J.G. Wilkinson, D.E. McNally, R. Kapahi, and W.R. Oliver. 1988. Photochemical Modeling of Two SCCCAMP 1984 Oxidant Episodes: Modeling Procedures & Evaluation Results. Radian Corporation, Sacramento, CA. Vol. II. 448 pp.

AWARD DATE: 07/87 (complete)
TOTAL COST: $50,000
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Thomas W. Tesche
AFFILIATION: Interagency Agreement with U.S. Environmental Protection Agency, Region IX through its contract with Engineering Science/Radian
COTR: Mr. Tom Chico
AVAILABILITY: Mr. Tom Chico, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30415

CONTRACT TITLE: Photochemical Model Evaluation

REPORT(S): Active contract

AWARD DATE: 09/88 (active)
TOTAL COST: $148,461
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Gary Whitten
AFFILIATION: Systems Applications, Inc., San Raphael, CA
SUBCONTRACTOR(S): Radian Corporation
COTR: Mr. Tom Chico
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

2. Baseline

CONTRACT NO.: CT5-52; 29079

CONTRACT TITLE: Southern California Bight Baseline, Year One

REPORT(S):

Benson, A.A., R.W. Rigebroogh, A.L. Burlingame, C.N. Kenyon, B.J. Kimble, J. Mieki, and M.L. Moberg. 1978. (1975-76). Southern California Baseline Study and Analysis. Hydrocarbon Analyses. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 3.3-3.6. 333 pp. (NTIS No. PB83174847) Book 9 of 10.

Callahan, R.A. 1978. (1975-76). Southern California Baseline Study and Analysis. Benthic Sediment Collecting Techniques, and Sediment Characterization and Analysis. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1 and 1.2. 162 pp. (NTIS No. PB80218001) Book 2 of 10.

Callahan, R.A. 1978. (1975-76). Southern California Baseline Study and Analysis. Mussel Community Study, Sandy Beach and Slough Habitat. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.2 and 2.3. 250 pp. plus appendices (NTIS No. PB80218035) Book 5 of 10.

Callahan, R.A. 1978. (1975-76). Southern California Baseline Study and Analysis. Hydrocarbon Analyses and Physical Oceanography. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 3.1, 3.2.1-3.2.4. 526 pp. (NTIS No. PB83174839) Book 8 of 10.

Fauchaud, K., G. Jones, and R. Douglas. 1978. (1975-76). Southern California Baseline Study and Analysis. Benthic Macrofauna and Microfauna Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.4 and 2.5. 546 pp. (NTIS No. PB83149799) Book 6 of 10.

Hodden, D.T., and M.R. Mill. 1978. (1975-76). Southern California Baseline Study and Analysis. Kelp Bed Mapping Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.6. 261 pp. (NTIS No. PB83174821) Book 7 of 10.

Littler, M.M. 1978. (1975-76). Southern California Baseline Study and Analysis, Rocky Intertidal Studies. Science Applications, Inc., La Jolla, CA.

Vol. III. Section 2.1 (Chapters 1-6). pp. 1-696. (NTIS No. PB80218019) Book 3 of 10.

Littler, M.M. 1978. (1975-76). Southern California Baseline Study and Analysis. 1978. Rocky Intertidal Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.1 (Chapters 7-12). pp. 697-1025 (NTIS No. PB80218027) Book 4 of 10.

Science Applications, Inc. 1978. (1975-76). Southern California Baseline Study, Intertidal and Benthic, 1975-1976. Sediments, Physical Oceanography and Trace Metals. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 4.1-4.4. 292 pp.

Science Applications, Inc. 1978. (1975-76). Southern California Baseline Study, Intertidal and Benthic, 1975-1976. Data Management and Data Synthesis. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 5.1 and 5.2. 76 pp.

Shokes, R.F. and R.A. Callahan. 1978. (1975-76). Year I. Southern California Baseline Study and Analysis. Executive Summary. Science Applications, Inc., La Jolla, CA. Vol. I. 35 pp. (NTIS No. PB290739/2)

Shokes, R.F. and R.A. Callahan. 1978. (1975-76). Year I. Southern California Baseline Study and Analysis. Integrated Summary Report. Science Applications, Inc., La Jolla, CA. Vol. II. 439 pp. (NTIS No. PB290739/2)

AWARD DATE: 06/75 (complete)
TOTAL COST: $3,930,264
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Richard Callahan
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. Donald Keene
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-40; 29080

CONTRACT TITLE: Southern California Bight Intertidal Baseline Survey, Year Two

REPORT(S): Burlingame, A.L. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Hydrocarbon Analysis of Intertidal Flora/Fauna and GC/GCMS Analyses. Science Applications, Inc., La

Jolla, CA. Vol. III. Sections 2.4 and 2.5. 237 pp. (NTIS No. PB300351/4)

Chow, T., O. Holm-Hansen, and V. Orphan. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Trace Metal Analyses of Sediment and Biota, Microbial Biomass, and Master Bibliography. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 3.1-4.1. and 4.2. 34 pp. (NTIS No. PB300352/2)

Hodder, D., R. Kanter, M. Mel and D. Straughan. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Mussel Community, Sandy Beaches and Kelp Survey. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.2-1.4. 458 pp. (NTIS No. PB300348/0)

Kaplan, I.R., M.L. Moberg and G.F. Gould. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Hydrocarbon Sediment Analysis. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.1 and 2.2. 228 pp. (NTIS No. PB300349/8)

Lippincott, W.H. 1978. (1976-77). Intertidal Study of the Southern California Bight. Science Applications, Inc., La Jolla, CA. Vol. I. Executive Summary. Vol. II. Syntheses and Summary. 299 pp. (NTIS No. PB290740/0)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.1-1.1.7. 433 pp. (NTIS No. PB300344/9)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.8-1.1.13. 482 pp. (NTIS No. PB300345/6)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.14-1.1.17. 175 pp. (NTIS No. PB300346/4)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.18-1.1.22. 386 pp. (NTIS No. PB300347/2)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Chemical Pollutant Flux. Science Applications, Inc., La Jolla, CA. Vol. II. Series 1, Reports 1-17. (NTIS No. PB80166093)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Chemical Pollutant Flux. Science Applications, Inc., La Jolla, CA. Vol. II. Series 2, Reports 18-24. 655 pp. (NTIS No. PB80166101)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Methodology Review. Science Applications, Inc., La Jolla, CA. Vol. III. 181 pp. (NTIS No. PB80166119)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Data Reports. Science Applications, Inc., La Jolla, CA. Vol. IV. Series 1, Reports 1-17. (NTIS No. PB80166127)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Data Reports. Science Applications, Inc., La Jolla, CA. Vol. IV. Series 2, Reports 18-24. 181 pp. (NTIS No. PB80166135)

Science Applications, Inc. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Hydrocarbon Analysis of Intertidal/Subtidal Organisms. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.3. 610 pp. (NTIS No. PB300350/6)

AWARD DATE:	07/76 (complete)
TOTAL COST:	$6,237,532
PLANNING AREA(S):	Southern California
PROGRAM MANAGER(S):	Mr. Eli Mishuck and Drs. Robert Shokes and William Lippincott
AFFILIATION:	Science Applications, Inc., La Jolla, CA
COTR:	Dr. N. Jay Bassin, and Messrs. John Lane and Martin Golden
AVAILABILITY:	NTIS, Pacific OCS Region (reading copy) (journal articles unavailable)

OTHER PUBLICATIONS: Bakus, G.J., and K.D. Green. 1987. The Distribution of Marine Sponges Collected from the 1976-1978 Bureau of Land Management Southern California Bight Program. Bulletin of Southern Academy of Science 86(2):57-88

Lewbel, G.S., A. Wolfson, T. Gerrodette, W.H. Lippincott, J.L. Wilson, and M.M. Littler. 1981. Shallow Water Benthic Communities on California's Outer Continental Shelf. Marine Ecology - Progress Series, 4:159-168.

Littler, M.M., D.R. Martz, and D.S. Littler. 1983. Effects of Recurrent Sand Deposition on Rocky Intertidal Organisms: Importance of Substrate Heterogeneity in a Fluctuating Environment. Marine Ecology - Progress Series, 2:239-139.

Littler, M.M., and D.S. Little. 1984. Relationships between Macroalgal Functional Groups and Substrata Stability in a Subtropical Rocky-Intertidal System. Journal of Exp. Marine Biology and Ecology 74:13-34

Seapy, R.R., and M.M. Littler. 1982. Population and Species Density Fluctuations in a Rocky Intertidal Community Relative to Severe Aerial Exposure and Sediment Burial. Marine Biology 71:87-96.

Taylor, P.R., and M.M. Littler. 1982. The Roles of Compensatory Mortality, Physical Disturbance, and Substrate Retentions in the Development and Organization of a Sand-Influenced Rocky Intertidal Community. Ecology 63(1):135-146.

CONTRACT NO.: CT7-44; 29083

CONTRACT TITLE: Intertidal Study of the Southern California Bight, Year Three

REPORT(S): Kanter, R. and M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Biological Community Structure. Science Applications, Inc., La Jolla, CA. Vol. II. Report 1, Section 1-7. 332 pp. (NTIS No. PB80143712)

Kanter, R. and M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Biological Community Structure. Science Applications, Inc., La Jolla, CA. Vol. II. Report 1, Sections 8-15. 302 pp. (NTIS No. PB80143720)

Kanter, R. and M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Biological Community Structure. Science Applications, Inc., La Jolla, CA. Vol. II. Report 1, Sections 16-22. 361 pp. (NTIS No. PB80143738)

Lippincott, W.A. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Summary and Synthesis of Principal Findings. Science Applications, Inc., La Jolla, CA. Vol. I. 120 pp. plus appendices (NTIS No. PB80143704)

Lippincott, W.H. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Rocky Shore, Sandy Beach and Slough Habitats. Science Applications, Inc., La Jolla, CA. Vol. II. Reports 10-19. 528 pp. (NTIS No. PB80143753)

Lippincott, W.H. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Summary Report. Science Applications, Inc., La Jolla, CA. Vol. IV. Reports 2-12. 877 pp. (NTIS No. PB80143795)

Littler, M.M. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Macro-organisms. Science Applications, Inc., La Jolla, CA. Vol. II. Reports 2-9. 640 pp. (NTIS No. PB80143746)

Littler, M.M. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Methods and Materials. Science Applications, Inc., La Jolla, CA. Vol. III. Reports 1-11. 161 pp. (NTIS No. PB80143761)

Littler, M.M. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Macro Biota. Science Applications, Inc., La Jolla, CA. Vol. IV. Report 1, Appendices A-E. (NTIS No. PB80143779)

Murray, S., and M.M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Statistical Data. Science Applications, Inc., La Jolla, CA. Vol. IV. Report 1, Appendix F. (NTIS No. PB80143787)

AWARD DATE:	07/77 (complete)
TOTAL COST:	$2,137,858
PLANNING AREA(S):	Southern California
PROGRAM MANAGER(S):	Dr. William Lippincott
AFFILIATION:	Science Applications, Inc., La Jolla, CA
COTR:	Mr. John Lane
AVAILABILITY:	NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:	None

3. Biology and Ecology

CONTRACT NO.: CT4-01

CONTRACT TITLE: A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas

REPORT(S): Dailey, M.D., B. Hill, and N. Lansing (Editors). 1974. A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas. Physical Environment. The Southern California Ocean Studies Consortium of the California State University and Colleges. Vol. I. 485 pp.

Dailey, M.D., B. Hill, and N. Lansing (Editors). 1974. A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas. Biological Environment. The Southern California Ocean Studies Consortium of the California State University and Colleges. Vol. II. 868 pp.

Dailey, M.D., B. Hill, and N. Lansing (Editors). 1974. A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas. Social and Economic Elements. The Southern California Ocean Studies Consortium of the California State University and Colleges. Vol. III. 858 pp.

AWARD DATE: 10/73 (complete)
TOTAL COST: $116,065
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Neal Lansing
AFFILIATION: Southern California Ocean Studies Consortium; California State Universities and Colleges: Dominque Hills, Fullerton, Long Beach, Northridge, and Pomona
COTR: Dr. N. Jay Bassin
AVAILABILITY: Pacific OCS Region Office (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-15

CONTRACT TITLE: A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas

REPORT(S): Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Area. Physical Description. Oceanographic Institute of Washington, Seattle, WA. Vol I. Chapters I-III. 647 pp. (NTIS No. PB272490/4)

Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas. Biological Description. Oceanographic Institute of Washington, Seattle, WA. Vol II. Chapters IV-VII. 638 pp. (NTIS No. PB272491/2)

Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas. Socioeconomic Considerations and Master Bibliography. Oceanographic Institute of Washington, Seattle, WA. Vol III. Chapters VIII-XIV. 685 pp. (NTIS No. PB272492/0)

Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas. Oceanographic Institute of Washington, Seattle, WA. (NTIS No. PB272489-SET)

AWARD DATE: 10/76 (complete)
TOTAL COST: $157,184
PLANNING AREA(S): Oregon and Washington
PROGRAM MANAGER(S): Messrs. Joseph T. Pizzo and Gary W. Harshman
AFFILIATION: Oceanographic Institute of Washington, Seattle, WA
SUBCONTRACTOR(S): Human Resources Planning Institute
COTR: Dr. N. Jay Bassin
AVAILABILITY: NTIS, Pacific OCS Region Office (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-52; 29081

CONTRACT TITLE: A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas

REPORT(S):

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Physical Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. I. Book 1. 384 pp. (NTIS No. PB274210/4)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Physical Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. I. Book 2. 470 pp. (NTIS No. PB274211/2)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Biological

Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. II. Book 1. 508 pp. (NTIS No. PB274212/0)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Biological Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. II. Book 3. 562 pp. (NTIS No. PB274214/6)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Socioeconomic Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. III. Book 1. (NTIS No. PB274215/3)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Socioeconomic Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. III. Book 2. (NTIS No. PB274216/1)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Master Bibliography. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. IV. Book 1. 784 pp. (NTIS No. PB274217/9)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Biological Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. IV. Book 2. 335 pp. (NTIS No. PB274213/8)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Winzler and Kelly Consulting Engineers, Eureka, CA. (NTIS No. PB294209/SET)

AWARD DATE: 08/76 (complete)
TOTAL COST: $240,951
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Messrs. Richard C. Dornhelm and Gregory B. Nesty
AFFILIATION: Winzler and Kelly Consulting Engineers, Eureka, CA

SUBCONTRACTOR(S): U.S. Naval Post Graduate School; URS Research Company; Humbolt State University; Bodega Marine Laboratory; CSO International, Inc.; University of California, Berkeley; Oregon State University; Environmental Consulting Services; California State Polytechnic University, Pomona; Moss landing Marine Laboratory; Point Reyes Bird Observatory; William-Kuebelbeck and Associates; California State College, Sonoma
COTR: Dr. N. Jay Bassin
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT8-43; 29087

CONTRACT TITLE: Tanner and Cortez Banks Reconnaissance and Characterization Study

REPORT(S): Bane, G.L. (Manager). 1979. Biological and Geological Reconnaissance and Characterization Survey of the Tanner and Cortes Banks. Executive Summary. Interstate Electronics Corp., Anaheim, CA. Vol. I. 29 pp. (NTIS No. PB82190745)

Bane, G.L. (Manager). 1979. Biological and Geological Reconnaissance and Characterization Survey of the Tanner and Cortes Banks. Synthesis of Findings. Interstate Electronics Corp., Anaheim, CA. Vol. II. 133 pp. (NTIS No. PB82190752)

AWARD DATE: 09/78 (complete)
TOTAL COST: $658,116
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. William B. Merselis
AFFILIATION: Interstate Electronics Corporation, Anaheim, CA
COTR: Mr. Richard L. Wilhelmsen
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Lissner, A.L., and J.H. Dorsey. Deep-Water Biological Assemblages of a Hard-Bottom Bank-Ridge Complex of the Southern California Continental Borderland 1986. Bulletin, Southern California Academy of Sciences, 85(2):87-101

CONTRACT NO.: CT9-04

CONTRACT TITLE: Mainland Rocky Intertidal Aerial Survey from Point Arguello to Point Loma

REPORT(S): Mainland Rocky Intertidal Aerial Survey from Point Arguello to Point Loma, California. Maps/mylars-40, Report 12 pp.

AWARD DATE: 09/79 (complete)
TOTAL COST: $9,683
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Mark Littler
AFFILIATION: University of California, Irvine, CA
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: MU9-12; 29010

CONTRACT TITLE: Ecological Characterization of the Central and Northern California Coastal Region

REPORT(S):

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Basic Ecological Concepts. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/45. Vol I. 199 pp. (NTIS No. PB83155416)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Regional Characterization. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/46.1. Vol II. Part 1. 438 pp. (NTIS No. PB83155424)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Species Accounts. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/46.2. Vol II. Part 2. 670 pp. (NTIS No. PB83155432)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Habitats. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/47.1. Vol III. Part 1. 463 pp. (NTIS No. PB83155440)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Community Composition Posts. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/47.2. Vol III. Part 2. 866 pp. (NTIS No. PB83155457)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Watersheds and Basins. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/48.1. Vol IV. Part 1. pp. 1-690 (NTIS No. PB83155465)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Watersheds and Basins. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/48.2. Vol IV. Part 2. pp. 691-1383 (NTIS No. PB83155473)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Data Source Appendix. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/49. Vol V. 68 pp. (NTIS No. PB83155481)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Jones and Stokes Associates, Inc., Sacramento, CA. (NTIS No. PB83155408/SET) 5 Volume Set.

AWARD DATE: 03/79 (complete)
TOTAL COST: $697,300
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Jay Watson
AFFILIATION: U.S. Fish and Wildlife Service, Portland, OR
SUBCONTRACTOR(S): Jones & Stokes Associates, Inc.; Anatec Laboratories, Inc.; E.H. White & Co.; Kinnetic Laboratories, Inc.; EDAW, Inc.; Environmental Sciences Associates, Inc.; and Madrone Associates
COTR: Messrs. Richard L. Wilhelmsen and Martin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-73; 29104

CONTRACT TITLE: Oil Spill Risk Assessment of Coastal and Marine Habitats in Central and Northern California

REPORT(S): Woodward-Clyde Consultants. 1982. Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. Woodward-Clyde Consultants, San Francisco, CA. 225 pp. Executive Summary. 32 pp.

AWARD DATE: 09/80 (complete)
TOTAL COST: $487,464
PLANNING AREA(S): Central and Northern California
PROGRAM MANAGER(S): Dr. Keith McDonald
AFFILIATION: Woodward-Clyde Consultants, San Francisco, CA
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Robilliard, Edward H., John R. Harper, and Ted P. Winfield. 1983. Third Symposium on Coastal and Ocean Management (Coastal Zone '83). "Biological Sensitivity, Oil Residence and Human Use Indices for Coastal Environments Threatened by Oil Spills" In American Society of Civil Engineers, New Jersey.

Woodward-Clyde Consultants. 1982. Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. Woodward-Clyde Consultants, San Francisco, CA. POCS Technical Paper No. 83-5. 226 pp.

CONTRACT NO.: 30032

CONTRACT TITLE: Monitoring: Assessment of Long-term Changes in the Biological Communities. Phase I. Benthic Reconnaissance of the Santa Maria Basin and Western Santa Barbara Channel

REPORT(S): Lissner, A., C. Phillips, D. Cadien, R. Smith, B. Bernstein, R. Cimberg, T. Kauwling, and W. Anikouchine. 1986. Assessment of Long-Term Changes in Biological Communities in the Santa Maria Basin and Western Santa Barbara Channel. Phase I. Executive Summary. Science Applications International Corp., La Jolla, CA. Vol. 1. 62 pp. OCS Study MMS 86-0012. (NTIS No. PB86240363)

Lissner, A., C. Phillips, D. Cadien, R. Smith, B. Bernstein, R. Cimberg, T. Kauwling, and W. Anikouchine. 1986. Assessment of Long-Term Changes in Biological Communities in the Santa Maria Basin and Western Santa Barbara Channel. Phase I. Synthesis of Findings. Science Applications International Corp., La Jolla, CA. Vol. II. 361 pp. OCS Study MMS 86-0012. (NTIS No. PB86240371)

AWARD DATE: 09/85 (complete)
TOTAL COST: $1,408,472
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Drs. Andrew Lissner and Robert Shokes
AFFILIATION: Science Applications Inc., La Jolla, CA
SUBCONTRACTOR(S): MBC Applied Environmental Sciences; Ecoanalysis
COTR: Dr. Fred Piltz

AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Piltz, F. 1986. Monitoring long-term changes in biological communities near oil and gas production platforms. Pages 856-861. in Proceedings Oceans 86, Volume 3, Monitoring strategies symposium. Washington, D.C.

CONTRACT NO.: 30050

CONTRACT TITLE: Mitigation of Sea Floor Conflicts Between Oil and Gas Pipelines and Commercial Trawl Fisheries on the Outer Continental Shelf

REPORT(S): Centaur Associates, Inc. 1984. Study of the Mitigation of Sea Floor Conflicts Between Oil and Gas Pipelines and Commercial Trawl Fisheries on the Outer Continental Shelf. Centaur Associates, Inc., Washington, DC. OCS Study MMS 84-0058. 426 pp. (NTIS No. PB85134476)

AWARD DATE: 09/83 (complete)
TOTAL COST: $212,268
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Mr. Bradley S. Ingram
AFFILIATION: Centaur Associates, Inc., Washington, DC
SUBCONTRACTOR(S): Dames & Moore, Inc.; Harry Shatto Consulting Pipeline Engineer; Leray Dewit-VTN
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30057

CONTRACT TITLE: Successional and Seasonal Variation of the Central and Northern California Rocky Intertidal Communities As Related to Natural and Man-Induced Disturbances

REPORT(S): Foster, M.S., A.P. DeVogelaere, C. Harrold, J.S. Pearse, and A.B. Thum. 1986. The Cause of Spatial and Temporal Patterns in Rocky Intertidal Communities of Central and Northern California. Executive Summary. Kinnetic Laboratories, Inc., Santa Cruz, CA. Vol. 1. OCS Study MMS 85-0049. 27 pp.

Foster, M.S., A.P. DeVogelaere, C. Harrold, J.S. Pearse, and A.B. Thum. 1986. The Cause of Spatial and Temporal Patterns in Rocky Intertidal Communities of Central and Northern California.

Literature Review. Kinnetic Laboratories, Inc., Santa Cruz, CA. Vol. II. OCS Study MMS 85-0049. 97 pp.

Foster, M.S., A.P. DeVogelaere, C. Harrold, K. Langau, J.S. Pearse, A.B. Thum, and D. Wilson. 1987. Rocky Intertidal Communities of Central and Northern California. Annotated Bibliography. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-87-3. OCS Study MMS 86-0052. 601 pp.

Hardin, D., L. Kiguchi, L. Harrold, and DeVogelaere. 1986. Study of Rocky Intertidal Communities of Central and Northern California: Year I. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-86-21. OCS Study MMS 86-0051. 448 pp.

AWARD DATE: 09/84 (active)
TOTAL COST: $1,612,995
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Alan Thum and Mr. Dane Hardin
AFFILIATION: Kinnetic Laboratories, Inc., Santa Cruz, CA
SUBCONTRACTOR(S): Moss Landing Marine Laboratories; University of California, Santa Cruz; Terra Corporation
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: DeVogelaere, A.P., 1988. Rocky intertidal patch succession after disturbance: Effects of severity, size, and position. M.S. thesis, Moss Landing Marine Laboratories.

Foster, M.S., A.P. DeVogelaere, C. Harrold, J.S. Pearse, and A.B. Thum. 1988. Causes of spatial and temporal patterns in rocky intertidal communities of central and northern California. Memoirs of the California Academy of Sciences 9:1-45

Harold, C. and D. Hardin. 1986. "Prey Consumption on Land by the California Sea Otter, Enhydra Lutris, Marine Mammal Science, 2(4):309-313

Nigg, E.W. 1988. Reproductive peridicity and its relationship to recruitment and persistence of Endocladia muricata and Mastocarpus papillatus. M.S. Thesis, Moss Landing Marine laboratories. 36 pp.

CONTRACT NO.: 30273

CONTRACT TITLE: Study of Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California

REPORT(S): Malme, C.I., P.W. Smith, and P.R. Miles. 1986. Characterization of Geophysical Acoustic Survey Sounds. BBN Laboratories, Cambridge, MA. OCS Study MMS 86-0032. 88 pp. plus appendices

Pearson, W.H., J.R. Skalski, and C.I. Malme. 1987. Effects of Sounds From a Geophysical Survey Device on Fishing Success. Battelle, Ventura Office, Ventura, CA. OCS Study MMS 87-0020. 293 pp.

AWARD DATE: 09/85 (complete)
TOTAL COST: $509,885
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Mr. Eiji Imamura
AFFILIATION: Battelle Memorial Institute, Ventura, CA
SUBCONTRACTOR(S): BBN Laboratories, Inc.
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30294

CONTRACT TITLE: California Outer Continental Shelf Fisheries Data Base

REPORT(S): MBC Applied Environmental Sciences. 1987. An Annotated Bibliography: Fisheries Species and Oil/Gas Platforms Offshore California. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0092. 290 pp.

MBC Applied Environmental Sciences. 1987. Ecology of Important Fisheries Species Offshore California. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0093. 251 pp.

MBC Applied Environmental Sciences. 1987. Ecology of Oil/Gas Platforms Offshore California. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0094. 92 pp.

AWARD DATE: 09/85 (active)
TOTAL COST: $537,928
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Charles Mitchell
AFFILIATION: MBC Applied Environmental Sciences, Inc., Costa Mesa, CA
SUBCONTRACTOR(S): EcoAnalysis Inc.; Michael Brandman Associates
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30341

CONTRACT TITLE: Ecology of the Southern California Bight: A Synthesis and Interpretation

REPORT(S): Active contract

AWARD DATE: 08/87 (active)
TOTAL COST: $333,007
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Murray Dailey
AFFILIATION: California Ocean Studies Consortium, California State University, Long Beach, CA
SUBCONTRACTOR(S): Southern California Coastal Water Research Project
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30388

CONTRACT TITLE: Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas

REPORT(S): Lissner, A., G. Taghon, D. Diener, S. Schroeter, and J. Dixon. 1988. Review of Recovery and Recolonization of Hard Substrate Communities of the Outer Continental Shelf. OCS Study MMS 88-0034. 184 pp. (NTIS No. PB89126718/AS)

AWARD DATE: 09/87 (active)
TOTAL COST: $934,168
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Andrew Lissner
AFFILIATION: Science Applications Inc., La Jolla, CA
SUBCONTRACTOR(S): Marine Ecological Consultants; EcoAnalysis; Remote Ocean Systems
COTR: Dr. Gary Brewer
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30429

CONTRACT TITLE: An Evaluation of Spawning and Recruitment Patterns of Fishes off Northern California, Oregon and Washington

REPORT(S): Active contract

AWARD DATE: 05/88 (active)
TOTAL COST: $288,260

PLANNING AREA(S): Northern California, Oregon and Washington
PROGRAM MANAGER(S): Dr. Art Kendall
AFFILIATION: NOAA, Marine Fisheries Service, Northwest and Alaska Fisheries Center, Seattle, WA
SUBCONTRACTOR(S): Oregon State University, Corvallis, OR
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30445

CONTRACT TITLE: Fish Assemblages of Rocky Banks of the Pacific Northwest

REPORT(S): Active contract

AWARD DATE: 06/88 (active)
TOTAL COST: $487,439
PLANNING AREA(S): Oregon and Washington
PROGRAM MANAGER(S): Dr. David Stein
AFFILIATION: Oregon State University, Corvallis, OR
SUBCONTRACTOR(S): Benech Biological Associates
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30454

CONTRACT TITLE: Washington, Oregon, and California OCS Fisheries Data Base

REPORT(S): Active contract

AWARD DATE: 09/88 (active)
TOTAL COST: $448,509
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Russel Porter (PMFC)
AFFILIATION: Pacific Marine Fisheries Commission (PMFC), Seattle, WA
SUBCONTRACTOR(S): Washington Department of Fisheries; Oregon Department of Fish and Wildlife; Northwest Indian Fisheries Commission; and EcoAnalysis, Inc.
COTR: Mr. Martin Golden
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

4. Endangered Species

CONTRACT NO.: CT5-28

CONTRACT TITLE: Marine Mammal and Seabird Survey of the Southern California Bight Area Year I.

REPORT(S):

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Detailed Synthesis. University of California, Santa Cruz, CA Vol. II. 331 pp. (material from Vol. I is included in Vol. II.) (NTIS No. PB295931/0)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Pinnipedia, Cetacea, and Parasitology. University of California, Santa Cruz, CA. Vol. III. Book 1. 535 pp. (NTIS No. PB295932/8)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Seabirds. University of California, Santa Cruz, CA. Vol. III. Book 2. 312 pp. (NTIS No. PB295933/6)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Appendices and Literature Citations. University of California, Santa Cruz, CA. Vol. III. Book 3. 465 pp. (NTIS No. PB295934/4)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. University of California, Santa Cruz, CA. (NTIS No. PB295930/AS-Set)

AWARD DATE: 04/75 (complete)
TOTAL COST: $652,000
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Drs. Kenneth Briggs, Ken Norris, George Hunt, and Burney LeBouef
AFFILIATION: University of California at Santa Cruz and Irvine
COTR: Dr. Donald Keene and Mr. Gordon Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Hill, M. 1981. Results of BLM-Funded Studies (1975-78): Marine Mammals of the Southern California Bight, POCS Technical Paper 81-6. 96 pp.

Freel, M.R., and M.E. Aceituno. 1978. Seabirds and Marine Mammals of the Southern California Bight. Report to BLM. Pacific OCS Office, Los Angeles, CA. POCS Reference Paper No. I. 106 pp.

CONTRACT NO.: CT6-26

CONTRACT TITLE: Southern California Marine Mammal and Seabird Study Year II.

REPORT(S): Dohl, T.P., et al. 1976-77. Southern California Marine Mammal and Seabird Study. Compilation of Field Trip Reports. University of California, Santa Cruz. 680 pp.

AWARD DATE: 04/76 (complete)
TOTAL COST: $1,028,951
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Drs. Ken Norris, George Hurt, and Burney Le Bouef
AFFILIATION: University of California at Santa Cruz and Irvine
COTR: Dr. Donald Keene and Mr. Gordon Reetz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT7-36; 29082

CONTRACT TITLE: Summary of Marine Mammals and Seabirds Surveys of the Southern California Bight Area Year III

REPORTS(S): Bonnell, M.L., B. LeBoeuf, M.O. Pierson, D. Dettman, and C.D Farrens. 1981. (1975-78). Marine Mammal and Sea Bird Surveys of the Southern California Bight Area. Executive Summary and Synthesis of Findings. Final Report. University of California, Santa Cruz, CA. Vol. II. (material from Vol. I. is included in Vol. II.) 414 pp. (NTIS No. PB81177164)

Bonnell, M.L., B. LeBoeuf, M.O. Pierson, D. Dettman, and C.D Farrens. 1981. (1975-78). Marine Mammal and Sea Bird Surveys of the Southern California Bight Area. Pinnipeds of the Southern California Bight. Final Report. University of California, Santa Cruz, CA. Vol. III. Part 1. 535 pp. (NTIS No. PB81248171)

Briggs, K.T., W.B. Tyler, D.B. Lewis, and K.F. Dettman. 1981. (1975-78). Summary of Marine Mammal and Seabird Surveys of the Southern California Bight Area. Seabirds. University of California, Santa Cruz, CA. Vol. III. Part 3. Book 2. 237 pp. (NTIS No. PB81248205)

Briggs, K.T., E.W. Chu, D.B. Lewis, D.B. Tyler, R.L. Pitman, and G.L. Hunt. 1981. (1975-78). Summary of Marine Mammal and Seabird Surveys of the Southern California Bight Area. Seabirds.

University of California, Santa Cruz, CA. Vol. III. Part 3. Book 1. 212 pp. (NTIS No. PB81248197)

Dohl, T.P., K.S. Norris, R.C. Guess, J.D. Bryant, and M.W. Honig. 1981. (1975-78). Summary of Marine Mammals and Seabird Surveys of the Southern California Bight Area. Cetacea of the Southern California Bight. University of California, Santa Cruz, CA. Vol. III. Part 2. 414 pp. (NTIS No. PB81248189)

AWARD DATE: 07/77 (complete)
TOTAL COST: $971,104
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Thomas P. Dohl
AFFILIATION: University of California at Santa Cruz and Irvine
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Center for Coastal Marine Studies. 1981. Summary Report 1975-78, Marine Mammals and Seabirds Surveys of the Southern California Bight Area. Executive Summary. Years I-III. POCS Technical Paper No. 91-9. 40 pp.

CONTRACT NO.: MU9-13; 29088

CONTRACT TITLE: Seabird Nesting and Seasonal Use: Survey for the Central and Northern California Coastal Region

REPORT(S): Sowls, A.L., A.R. DeGange, J.W. Nelson, and G.S. Lester. 1980. Catalog of California Seabird Colonies. U.S. Fish and Wildlife Service. Report No. FWS/OBS-80/37. 371 pp.

AWARD DATE: 04/79 (completed)
TOTAL COST: $147,492
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Jay Watson
AFFILIATION: U.S. Fish and Wildlife Service, Portland, OR
COTR: Mr. Gordon Reetz
AVAILABILITY: USFWS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-33; 29090

CONTRACT TITLE: Central and Northern California Marine Mammal and Seabird Study

REPORT(S): Bonnell, M.L., M.O. Pierson, and C.D. Farrens. 1983. (1980-83). Pinnipeds and Sea Otters of Central

and Northern California. Status, Abundance, and Distribution. University of California, Santa Cruz, CA. Vol. III. Book 1. OCS Study MMS 84-0044. 220 pp. (NTIS No. PB85183853)

Briggs, K.T., W.B. Tyler, D.B. Lewis, and K.F. Dettman. 1983. (1980-83). Marine Mammals and Seabirds of Central and Northern California. Status, Abundance, and Distribution. University of California, Santa Cruz, CA. Vol. III. Book 3. OCS Study MMS 84-0043. 246 pp. (NTIS No. PB85183846)

Dohl, T.P., M.L. Bonnell, R.C. Guess, and K.T. Briggs. 1983. (1980-83). Marine Mammals and Seabirds of Central and Northern California. Executive Summary. University of California, Santa Cruz, CA. Vol. I. OCS Study MMS 84-0041. 29 pp. (NTIS No. PB85183820) PC4.1/BJ

Dohl, T.P., M.L. Bonnell, R.C. Guess, and K.T. Briggs. 1983. (1980-83). Marine Mammals and Seabirds of Central and Northern California. Synthesis of Findings. University of California, Santa Cruz, CA. Vol. II. OCS Study MMS 84-0042. 248 pp. (NTIS No. PB85183838) PC4.2/BJ

Dohl, T.P., R.C. Guess, M.L. Duman, and R.C. Helm. 1983. (1980-83). Cetaceans of Central and Northern California. Status, Abundance, and Distribution. University of California, Santa Cruz, CA. Vol. III. Book 2. OCS Study MMS 84-0045. 284 pp. (NTIS No. PB85183861) PC4.4/BJ

AWARD DATE: 09/79 (complete)
TOTAL COST: $3,714,914
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Mr. William T. Doyle
AFFILIATION: University of California, Santa Cruz, Center for Marine Studies, Santa Cruz, CA
COTR: Mr. Gordon R. Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Bonnell, M.L., and R.G. Ford. 1987. California Sea Lion Distribution: A Statistical Analysis of Aerial Transect Data. Journal of Wildlife Management 51(1):13-20.

Briggs, K.T., and E.W. Chu. 1986. Sooty Shearwaters Off California: Distribution, Abundance and Habitat Use. The Condor 88:355-364.

Briggs, K.T., and E.W. Chu. California Seabirds: Updating Models of Trophic Impact. In J. Croxall (ed.) The Feeding Ecology of Seabirds and Their Role in Marine Ecosystems, Cambridge University Press.

Briggs, K.T., D.G. Ainley, P.B. Adams, L.B. Spear, and S.E. Smith. In Press. Feeding By Two Alcids At Central California Upwellings. Proceeding of XIX International Congress of Ornothology. Ottawa, Canada.

Briggs, K.T., K.F. Dettman, D.B. Lewis, and W.B. Tyler. 1982. Phalarope Feeding In Relation To Autumn Upwelling Off California. In "Marine Birds: Their Feeding Ecology and Commercial Fisheries Relationships". Nettleship, Sanger and Spring (eds.). Proceedings of the Seabird Group Symposium, Seattle, WA, 6-8 June 1982. Canadian Wildlife Service Special Publication, pp. 51-62.

Briggs, K.T., W.B. Tyler, and D.B. Lewis. 1985. Aerial Surveys for Seabirds: Methodological Experiments. Journal of Wildlife Management 49(2):412-417

Briggs, K.T., W.B. Tyler, and D.B. Lewis. 1985. Comparison of Ship and Aerial Surveys of Birds at Sea. Journal of Wildlife Management 49(2):405-411.

Briggs, K.T., W.B. Tyler, D.B. Lewis, and D.R. Carlson. 1987. Bird Communities At Sea Off California: 1975 to 1983. Studies in Avian Biology No. 11. Cooper Ornithological Society. 74 pp.

Briggs, K.T., W.B. Tyler, D.B. Lewis, P.R. Kelly, and D.A. Croll. 1983. Brown Pelican Populations In Central and Northern California, 1980-1982. Journal of Field Ornithology 54:353-373.

Dohl, T.P., M.L. Bonnell, and R.G. Ford. 1985. Distribution and Abundance of Common Dolphin In The Southern California Bight: A Quantitative Assessment Based Upon Aerial Transect Data. Fisheries Bulletin 84(2):333-343.

CONTRACT NO.: 30023

CONTRACT TITLE: Synthesis of Available Population Information on California Sea Otters

REPORT(S): Estes, J.A., and R.J. Jameson. Summary of Available Population Information on California Sea Otters POCS Technical Paper 83-11. 29 pp.

AWARD DATE: 04/83 (complete)
TOTAL COST: $6,160
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Robert L. Brownell, Jr.
AFFILIATION: U.S. Fish and Wildlife Service, Denver, CO
COTR: Mr. Gordon R. Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30033

CONTRACT TITLE: Population Status of California Sea Otters

REPORT(S): Siniff, D. and K. Ralls. 1988. Population Status of California Sea Otters. OCS Study MMS 88-0021. 391 pp. (NTIS No. PB89192983/AS)

AWARD DATE: 09/83 (complete)
TOTAL COST: $1,187,090
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Donald Siniff
AFFILIATION: University of Minnesota, St. Paul, MN
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Garshelis, D.L., and D.B. Siniff. Evaluation of Radiotransmitter Attachments for Sea Otters 1983. Wildlife Society Bulletin 11(4):378-383.

CONTRACT NO.: 30157

CONTRACT TITLE: Sea Otter Oil Spill Mitigation Study

REPORT(S): Davis, R.W. (Project Manager). 1986. Sea Otter Oil Spill Mitigation Study. Hubbs Marine Research Institute, San Diego, CA. OCS Study MMS 86-0009. 221 pp. (NTIS No. PB89158851/AS)

AWARD DATE: 09/84 (complete)
TOTAL COST: $473,247
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Jeannette Thomas and R.W. Davis
AFFILIATION: Hubbs Marine Research Institute, San Diego, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Tetra Tech, Inc. 1985. Fates and Effects of Oil Dispersants and Chemically Dispersed Oil in the Marine Environment. Draft Final Report to MMS and Hubbs Marine Research Institute, Tetra Tech, Bellevue, WA. Report Number TC-3998, 73 pp. plus appendices. (unpublished)
Thomas, J.A., L.H. Cornell, B.E. Joseph, T.D. Williams, and S. Dreischman. 1987. An Implanted Transponder Chip Used As a Tag For Sea Otters. Marine Mammal Science 3(3):271-274.

CONTRACT NO.: 30183

CONTRACT TITLE: California Seabird Ecology Study

REPORT(S): Briggs, K.T., D.G. Ainley, D.R. Carlson, D.B. Lewis, W.B. Tyler, L.B. Spear, and L.A. Ferris. 1988. California Seabird Ecology Study. Final Report. Feeding Ecology of California Nesting Seabirds. Vol. I. Institute of Marine Sciences, University of California, Santa Cruz. OCS Study MMS 87-0055. viii + 153 pp. (NTIS No. PB89126692/AS)

Denner, W., Dr., D. Sides, J. Mueller, Dr., and L. Breaker, Dr. 1988. California Seabird Ecology Study. Final Report. Satellite Data Analysis Vol. II. Institute of Marine Sciences, University of California, Santa Cruz. OCS Study MMS 87-0056. vii + 125 pp. (NTIS No. PB89126700/AS)

AWARD DATE: 09/84 (complete)
TOTAL COST: $541,323
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Kenneth Briggs
AFFILIATION: University of California at Santa Cruz
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Briggs, K.T., W.B. Tyler, D.C. Carlson, D.G. Ainley, C. Strong, R.J. Boekelheide, T. Benniman, and H. Carter. 1985. California Seabird Ecology Study: Synthesis of Information. Minerals Management Service 365 pp.

CONTRACT NO.: 30224

CONTRACT TITLE: A Risk Analysis Model for Marine Mammals and Seabirds: A Southern California Bight Scenario

REPORT(S): Ford, R.G. 1985. A Risk Analysis Model for Marine Mammals and Seabirds: A Southern California Bight Scenario. Ecological Consulting, San Diego, CA. OCS Study MMS 85-0104. 236 pp. (NTIS No. PB89126684/AS)

Ford, R.G. 1985. Oil Slick Sizes and Length of Coastline Affected: A Literature Survey and Statistical Analysis. Ecological Consulting, San Diego, CA. OCS Study MMS 85-0105. 34 pp. (NTIS No. PB89204648/AS)

AWARD DATE: 09/84 (complete)
TOTAL COST: $58,979
PLANNING AREA(S): Southern California

PROGRAM MANAGER(S): Dr. R. Glenn Ford
AFFILIATION: Ecological Consulting, San Diego, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region Office (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30256

CONTRACT TITLE: Sea Otter Oil Spill Avoidance Study

REPORT(S): Tetra Tech, Inc. 1985. Fate and Effects of Oil Dispersants and Chemically Dispersed Oil in the Marine Environment. Tetra Tech, Inc., Bellevue, WA. Tetra Tech Report 3998. OCS Study MMS 85-0048. 114 pp.

Davis, RW, T.M. Williams, F. Awbrey. 1988. Sea Otter Oil Spill Avoidance Study. Hubbs Marine Research Center, San Diego, CA. OCS Study MMS 88-0051. 74 pp. (NTIS No. PB89191381/AS)

AWARD DATE: 09/85 (complete)
TOTAL COST: $550,680
PLANNING AREA(S): All Pacific OCS planning Areas
PROGRAM MANAGER(S): Dr. Randall Davis
AFFILIATION: Hubbs Marine Research Institute, San Diego, CA
SUBCONTRACTORS: Tetra Tech, University of Minnesota
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Davis, R., B. Bohne, E. Yohe-Hart, and L. Cornell. 1987. The Cochlear Anatomy of the Sea Otter (Enhydra lutris) Society for Marine Mammalogy (Sponsor), Seventh Biennial Conference on the Biology of Marine Mammals. Abstracts, pg. 15.

CONTRACT NO.: ON14257

CONTRACT TITLE: Diving Patterns of Free Swimming Female Northern Elephant Seals

REPORT(S): LeBoeuf, B.J., D.P. Costa, A.C. Huntley, and S.D. Feldkamp. 1987. Progress Report to MMS. Diving Behavior of Female Northern Elephant Seals, Mirounga angustirostris. University of California, Santa Cruz. 41 pp. + figures, tables. (See Publications:* for final Study Product)

AWARD DATE: 12/15/86 (complete)
TOTAL COST: $20,000 (FY 86, 87 and 88)
PLANNING AREA(S): Central and Southern California

PROGRAM MANAGER(S): Dr. Burney J. Le Bouef
AFFILIATION: University of California at Santa Cruz
COTR: Mr. Gordon Reetz
AVAILABILITY: Reading copy of progress report and Journal Article are available at Pacific OCS Region Office
OTHER PUBLICATIONS: *LeBoeuf, B.J., D.P. Costa, A.C. Huntley, and S.D. Feldkamp. 1988. Continuous, deep diving in female northern seals, Mirounga angustirostris. Canadian Journal of Zoology 66:446-458
LeBoeuf, B.J., Y. Naito, S.D. Feldkamp, and A.C. Huntley. 1987. Continuous deep, diving in female northern elephant seals. Society for Marine Mammalogy (Sponsor), Seventh Biennial Conference on the Biology of Marine Mammals. Abstracts, pg. 40.

CONTRACT NO.: 30306

CONTRACT TITLE: Gray Whale Monitoring Study

REPORT(S): Active contract

AWARD DATE: 04/86 (active)
TOTAL COST: $188,195
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Mr. Robert Ware
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30426

CONTRACT TITLE: Oregon and Washington Marine Mammal and Seabird Surveys

REPORT(S): Active contract

AWARD DATE: 09/88 (active)
TOTAL COST: $1,484,586
PLANNING AREA(S): Oregon and Washington
PROGRAM MANAGER(S): Dr. John J. Brueggeman
AFFILIATION: Envirosphere Company, Bellevue, WA
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30451

CONTRACT TITLE: Biological Impacts of Translocated Sea Otters

REPORT(S): Active contract

AWARD DATE: 09/88 (active)
TOTAL COST: $90,652
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Donald Siniff
AFFILIATION: University of Minnesota, St. Paul, MN
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30456

CONTRACT TITLE: Seabird Nesting Survey for the Central and Northern California Region and Preparation of the Catalog of California Seabird Colonies

REPORT(S): Active contract

AWARD DATE: 08/88 (active)
TOTAL COST: $180,000
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. David Gilmer
AFFILIATION: U.S. Fish and Wildlife Service (IA), Dixon, CA
SUBCONTRACTOR(S): Humboldt State University
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

5. Fates, Effects and Chemistry

CONTRACT NO.: CT7-38

CONTRACT TITLE: Barium and Vanadium Methodology Study

REPORT(S): Reed, J.H. 1977. Barium and Vanadium Determination by Neutron Activities Analysis -- A Study of Procedures. Final Report. Science Applications, Inc., La Jolla, CA. SAI Report Number SAI-77-804-LJ. 91 pp.

AWARD DATE: 09/77 (complete)
TOTAL COST: $24,669
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. V. Orphan
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Mr. John Lane
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-02

CONTRACT TITLE: Formation Water Dispersion Study

REPORT(S): Dickey, T.D., and M.D. Fortin. 1980. A Numerical Model of Dispersion of Drilling Discharge in the Marine Environment. University of Southern California, Los Angeles, CA. 17 pp. plus appendices

AWARD DATE: 1979 (complete)
TOTAL COST: $10,000
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Tom Dickey
AFFILIATION: University of Southern California, Department of Geology, Los Angeles, CA
COTR: Mr. John Lane
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-70; 29102

CONTRACT TITLE: California Seabird Oil Spill Behavior Study

REPORT(S): Nero & Associates. 1983. Seabird Oil Spill Behavior Study. Executive Summary. Nero & Associates, Portland, OR. Vol. I. 15 pp. (NTIS No. PB84179530)

Nero & Associates. 1983. Seabird-Oil Spill Behavior Study. Technical Report. Nero & Associates, Portland, OR. Vol. II. 64 pp. (NTIS No. PB84179548)

Nero & Associates. 1983. Seabird-Oil Spill Behavior Study. Appendices. Nero & Associates, Portland, OR. Vol. III. 290 pp. (NTIS No. PB84179555)

Nero & Associates. 1983. Seabird-Oil Spill Behavior Study. Nero & Associates, Portland, OR. (NTIS No. PB84179522-SET)

AWARD DATE: 09/80 (complete)
TOTAL COST: $496,294
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Dr. Daniel Varoujean
AFFILIATION: Nero and Associates, Inc., Portland, OR
COTR: Mr. Gordon R. Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-74; 29105

CONTRACT TITLE: California Commercial/Sport Fish and Shell Fish Oil Toxicity Study

REPORT(S): Kanter, R.G., R.C. Wingert, W.H., M.L. Sowby, and C.J. Foley. 1983. California Commercial/Sport Fish and Shell Fish Oil Toxicity Study. Executive Summary. MBC Applied Environmental Sciences, Inc., Costa Mesa, CA. Vol. I. 26 pp. (NTIS No. PB8416721)

Kanter, R.G., R.C. Wingert, W.H., M.L. Sowby, and C.J. Foley. 1983. California Commercial/Sport Fish and Shell Fish Oil Toxicity Study. Synthesis of Findings. MBC Applied Environmental Sciences, Inc., Costa Mesa, CA. Vol. II. 257 pp. (NTIS No. PB8416722)

AWARD DATE: 09/80 (complete)
TOTAL COST: $1,032,364
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Robert Kanter
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Dr. Fred Piltz
AVAILABILITY: NTIS, Pacific OCS Region Office (reading copy)
OTHER PUBLICATIONS: MBC Applied Environmental Sciences, Inc. 1983. Impact Assessment Report: Commercial and Sports Fish Oil Toxicity Study

CONTRACT NO.: CT1-60; 29112

CONTRACT TITLE: Seabird Oil Toxicity Study

REPORT(S): Sharma, K.J. 1981. Seabird Oil Toxicity Study. Nero and Associates, Portland OR. OCS Study MMS 87-0005. 128 pp. plus appendices.

AWARD DATE: 09/81 (complete)
TOTAL COST: $1,012,922
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Drs. C. Richard Grau and M. Fry
AFFILIATION: Nero & Associates, Inc., Portland, OR
SUBCONTRACTORS: Point Reyes Bird Observatory, University of California at Davis
COTR: Messrs. Martin Golden and Gordon Reetz
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT2-54 - 29122

CONTRACT TITLE: An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms

REPORT(S): Ware, R.R. (Manager). 1983. An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms. Proceedings of the Workshop, Feb. 7-10, 1983. Santa Barbara, CA. Summary and Recommendations. MBC Applied Environmental Sciences, Inc. Vol. I. 70 pp. plus appendices

Ware, R.R. (Manager). 1983. An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms. Proceedings of the Workshop, Feb. 7-10, 1983. MBC Applied Environmental Sciences, Inc. Santa Barbara, CA. Contributed Papers. Vol. II. 232 pp.

AWARD DATE: 09/82 (complete)
TOTAL COST: $56,868
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Rick Ware
AFFILIATION: MBC Applied Environmental Scientists, Costa Mesa, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30056

CONTRACT TITLE: Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges

REPORT(S): Continental Shelf Associates, Inc. 1985. Assessment of the Long-Term Fate and Effective Methods of Mitigation of California Outer Continental Shelf Platform Particulate Discharges. Continental Shelf Associates, Inc., Ventura, CA. OCS Study MMS 85-0033. 240 pp. plus appendices.

Continental Shelf Associates, Inc. 1985. Assessment of the Long-Term Fate and Effective Methods of Mitigation of California Outer Continental Shelf Platform Particulate Discharges. Executive Summary. Continental Shelf Associates, Inc., Ventura, CA. OCS Study MMS 85-0033. 22 pp. plus appendices.

AWARD DATE: 09/83 (complete)
TOTAL COST: $219,537
PLANNING AREA(S): All Pacific OCS planning areas
PROGRAM MANAGER(S): Mr. Brian Balcom
AFFILIATION: Continental Shelf Associates, Inc., Ventura, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30159

CONTRACT TITLE: Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure

REPORT(S): Active contract

AWARD DATE: 09/84 (active)
TOTAL COST: $1,717,233
PLANNING AREA(S): All Pacific OCS planning areas
PROGRAM MANAGER(S): Mr. Dane Hardin
AFFILIATION: Kinnetic Laboratories, Inc., Santa Cruz, CA
SUBCONTRACTOR(S): University of California, Lawrence Livermore Laboratories
COTR: Dr. Fred Piltz and Mr. Martin Golden
AVAILABILITY: Active contract
OTHER PUBLICATIONS: Montagna, P.A., and J.E. Bauer. 1988. Partitioning radiolabeled thymidine uptake by bacteria and meiofauna using metobolic blocks and poisons in benthic feeding studies. Marine Biology 98:101-110.

Montagna, P.A, J.E. Bauer, J. Toal, D. Hardin, and R.B. Spies. 1987. Temporal variability and the relationship between benthic meiofaunal and microbial populations of a natural coastal petroleum seep. Journal of Marine Research 45:761-789

Montagna, P.A., J.E. Bauer, M.C. Prieto, D. Hardin, and R.B. Spies. 1986. Benthic metabolism in a natural coastal petroleum seep. Marine Ecology Progress Series 34:31-40.

CONTRACT NO.: 30262

CONTRACT TITLE: Monitoring: Assessment of Long-Term Changes in Biological Communities: Phase II

REPORT(S): Hyland, J., and J. Neff. 1987. California OCS Phase II Monitoring Program. Year-One Annual Report. 1988. Battelle Ocean Services. Vol. I. OCS Study MMS 87-0115. 603 pp. (NTIS No. PB89128151/AS)

Hyland, J., and J. Neff. 1987. California OCS Phase II Monitoring Program. Year-One Annual Report. Appendices. 1988. Vol. II. OCS Study MMS 87-0116. 191 pp. (NTIS No. PB89128169/AS)

AWARD DATE: 07/86 (active)
TOTAL COST: $5,582,044
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Jeffrey Hyland
AFFILIATION: Battelle Ocean Sciences, Ventura, CA
SUBCONTRACTOR(S): Kinnetic Laboratories, Inc.; Woods Hole Oceanographic Institute
COTR: Dr. Gary Brewer
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)

OTHER PUBLICATIONS:

Boesch, D., et al. 1982. Summary and Recommendations of a Conference March 30 and 31, 1982. Minerals Management Service, Pacific OCS Region, Los Angeles

Brewer, G.D., F. Piltz, and J. Hyland. 1987. Monitoring changes in benthic communities adjacent to OCS oil production platforms off California. Pages 1593-1597 in Proceedings Oceans 87, Volume 5, Coastal and Estaurine Pollution. Halifax, Nova Scotia

Butman, C.A., J.P. Grassle and C.M. Webb. 1988. Substrate choices made by marine larvae settling in still water and in flume flow. Nature 333(6175): 771-773.

Fuller, C.M., and C.A. Butman. A Simple Technique for Fine-Scale, Vertical Sectioning of Fresh Sediment Cores. 1988. Journal of Sedimentary Petrology 58(4):763-768

Hyland, J., J. Kennedy, J. Campbell, S. Williams, P. Boehm, A. Uhler, and W. Steinhouer. 1989. Environmental Effects of the Pac Baroness Oil and Copper Spill. in Proceedings: 1989 Oil Spill Conference, February 13-16, 1989, San Antonio, Texas. pp. 413-419

6. Geology

CONTRACT NO.: MU5-34

CONTRACT TITLE: Environmental Geology of Selected Areas of the Southern California Continental Borderland

REPORT(S): Clarke Jr., S.H., M.E. Field, F.I Linker, and H.G. Wagner. 1975. Environmental Geology of Selected Areas of the Southern California Continental Borderland. U.S. Geological Survey. Open File Report No. OF-75-596. 82 pp.; 16 plates plus 6 Appendix sheets.

AWARD DATE: 1975-1977 (complete)
TOTAL COST: $105,900
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. S. H. Clarke, Jr.
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU8-09

CONTRACT TITLE: Potential Geological Hazards to Oil and Gas Development in the Eel River Basin Northern California and Coos Bay, Oregon

REPORT(S): Clarke Jr., S.H., M.E. Field, and M.E., White. 1980. Geology and Geologic Hazards of Offshore Eel River Basin, Northern California Continental Margin. U.S. Geological Survey. Open File Report 80-1080.

Clarke Jr., S.H., M.E. Field, and C.A. Hirozawa. 1981. Reconaissance Geology and Geologic Hazards of the Offshore Coos Bay Basin, Oregon Report to MMS. U.S. Geological Survey, Menlo Park, CA. Open File Report No. 81-898, 90 pp. with oversized plates. USGS Bulletin 1645, 40 pp. with no plates.

AWARD DATE: 02/78 (complete)
TOTAL COST: $131,126
PLANNING AREA(S): Northern California and Oregon
PROGRAM MANAGER(S): Messrs. S.H. Clarke and M.E. Field
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU8-10

CONTRACT TITLE: Erosion and Transport of Sediments and Pollutants on the San Pedro Shelf, Southern California

REPORT(S): Cacchione, D.A., H.A. Karl and D.E. Drake. 1979. San Pedro Shelf Experiment (SPEX-1). U.S. Geological Survey, Menlo Park, CA. 28 pp. plus appendices.

Karl, H.A., D.A. Cacchione, and D.E. Drake. 1980. Erosion and Transport of Sediments and Pollutants in the Benthic Boundary Layer on the San Pedro Shelf, Southern California. U.S. Geological Survey, Menlo Park, CA. Open File Report 80-386. 98 pp.

AWARD DATE: 02/78 (complete)
TOTAL COST: $237,774
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Messrs. D.A. Cacchione, D.E. Drake, and H.A. Karl
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU8-15

CONTRACT TITLE: Southern California Shelf and Ridge Geophysical and Geological Hazards Study

REPORT(S): Clark Jr., S.H., H.G. Greene, M.E. Field, and W.H.D. Lee. 1983. Reconnaissance Geology and Geologic Hazards of Selected Areas of the Southern California Continental Borderland. Open File Report 83-62.

AWARD DATE: 04/78 (complete)
TOTAL COST: $121,684
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Messrs. H.G. Greene, S.H. Clarke,Jr., and M.E. Field
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU9-19

CONTRACT TITLE: Geologic Hazards Assessment for Proposed Lease Sale 53, Central and Northern California

REPORT(S): McCulloch, D.S., H.G. Greene, K.S. Heston, and D.M. Rubin. 1980. Sale #53, Geologic Summary Report. Open File Report 80-1095. 102 pp.

AWARD DATE: 07/79 (complete)
TOTAL COST: $241,670
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Jerome Foreman
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: IA1-22; 29107

CONTRACT TITLE: California Geological Hazards Assessment for Proposed Lease Areas for OCS Sales 73 and 80

REPORT(S): Edwards, B.D. 1982. Geologic Hazards in Santa Monica Basin and Part of Santa Barbara Basin, Proposed Lease Sale 80. U.S. Geological Survey, Menlo Park, CA. Report 1. 25 pp. plus 13 plates

McCulloch, D.S. 1982. Geohazards in OCS Lease Sale 73 on the Central California Continental Shelf and Slope. U.S. Geological Survey, Menlo Park, CA. Report 2. 42 pp. plus 16 plates

AWARD DATE: 03/81 (complete)
TOTAL COST: $348,260
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Brian Edwards
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. Richard L. Wilhelmsen
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

7. Physical Oceanography and Meteorology

CONTRACT NO.: IA2-02; 29026

CONTRACT TITLE: Central California Nearshore Current Study

REPORT(S): Bird, A.A., R.J. Koob, J.B. Wickham, and C.N.K. Mooers. 1984. Hydrographic Data From the Slope Waters Off Central California, 26 November 1978 - 26 June 1980. Naval Postgraduate School, Monterey, CA. NPS 68-84-010. 88 pp.

Bird, A.A., J.B. Wickham, J.S. Bottero, G. Pittock, R.L. Smith, and C.N.K. Mooers. 1984. Current Meter Data From the Slope Waters Off Central Califonia, 25 July 1978 - 1 June 1980. Naval Postgraduate School, Monterey, CA. NPS 68-84-012. 324 pp.

AWARD DATE: 11/78 (complete)
TOTAL COST: $74,000
PLANNING AREA(S): Central California
PROGRAM MANAGER(S): Mr. C. N. Mooers
AFFILIATION: Naval Postgraduate School, Monterey CA.
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Wickham, J.B., A.A. Bird, and C.N.K. Mooers. Mean and variable flow over the central California continental margin, 1978-1980. Continental Shelf Research 7(8):827-849.

CONTRACT NO.: IA9-02

CONTRACT TITLE: A Climatological and Oceanographic Analysis of the California Pacific OCS Region

REPORT(S): Williams, R.G., R.W Reeves, F.A. Godshall, S.W. Fehler, P.J. Pytlowany, G.R. Halliwell, K.C. Vierra, C.N.K. Mooers, M.D. Earle, and K. Bush. 1980. A Climatology and Oceanographic Analysis of the California Pacific OCS Region. Executive Summary. Technical Report and Appendices. 1182 pp. (NTIS No. PB82192220)

AWARD DATE: 11/78 (complete)
TOTAL COST: $393,700
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. R.G. Williams

AFFILIATION: NOAA, Environmental Data and Information Center, Boulder, CO
COTR: Mr. Richard Wilhelmsen and Dr. Fred Piltz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Godshall, F.A., and R.G. Williams (eds.). A Climatology and Oceanographic Analysis of the California Pacific Outer Continental Shelf Region. 1980. NOAA, Environmental Data and Information Service. Center for Environmental Assessment Services, Washington D.C.
Newberger, Priscilla, Dr. 1982. Physical Oceanography and Meteorology of the California Outer Continental Shelf. POCS Technical Paper No. 82-2. 48 pp.

CONTRACT NO.: CTO-62

CONTRACT TITLE: Summary and Analysis of Northern California Meteorological Buoy Data

REPORT(S): Aerocomp, Inc. 1980. Summary and Analysis of Northern California Meteorological Buoy Data. Aerocomp, Inc., Costa Mesa, CA.

AWARD DATE: 09/80 (complete)
TOTAL COST: $38,773
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Joseph Catalano
AFFILIATION: Aerocomp, Inc., Costa Mesa, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: IAO-29; 29097

CONTRACT TITLE: Establishment and Operation of a Northern California Meteorological Buoy Network

(see subsequent Contract Nos. 29109, 30008, 30143, 30248, 30303, 30435, 30352, and 30425 for information on completion date and cost)

REPORT(S): Piltz, F., 1982. Results of the Minerals Management Service-Funded West Coast Meteorological Buoy Monitoring Network. POCS Technical Paper No. 82-3. 587 pp.

AWARD DATE: 1980 (complete)
TOTAL COST: $304,100
PLANNING AREA(S): Northern and Central California

PROGRAM MANAGER(S): Mr. Bill Sheppard
AFFILIATION: NOAA, National Data Buoy Center, Boulder, CO
COTR: Dr. Fred Piltz
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: IA1-40; 29109 (29097.02)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: 06/81 (complete)
TOTAL COST: $641,100
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Mr. Bill Sheppard
AFFILIATION: NOAA, National Data Buoy Center, Boulder, CO
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: IA2-12; 29117 (29097.03)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: 03/82 (complete)
TOTAL COST: $631,000

CONTRACT NO.: 30008 (29097.04)

CONTRACT TITLE: Estabishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: 04/83 (complete)
TOTAL COST: $700,000

CONTRACT NO.: 30143 (29097.05)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: FY 1984 (continuation of Contract No. 30008)
TOTAL COST: $684,600

CONTRACT NO.: 30248 (29097.06)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: FY 1985 (continuation of Contract No. 30143)
TOTAL COST: $670,000

CONTRACT NO.: 30303 (29097.07)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: FY 1986 (complete)
TOTAL COST: $681,907

CONTRACT NO.: 30352 (29097.08)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: FY 1987 (complete)
TOTAL COST: $715,907

CONTRACT NO.: 30425 (29097.08 cont'd)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

AWARD DATE: FY 1988 (active)
TOTAL COST: $700,000

CONTRACT NO.: CT1-67; 29113

CONTRACT TITLE: California Shelf Physical Oceanography Circulation Model

REPORT(S):

Allen, J.S., R.L. Bernstein, D.B. Chelton, T.D. Dickey, B.M. Hickey, C.N.K. Mooers, and P.P. Niiler. 1984. Recommendations of the Scientific Advisory and Review Panel Following the Second Scientific Advisory Workshop, California Shelf Physical Oceanography Circulation Model. Dynalysis, Princeton, NJ. December 14-15, 1983. 7 pp.

Allen, J.S., R.L. Bernstein, D.B. Chelton, T.D. Dickey, B.M. Hickey, C.N.K. Mooers, and P.P. Niiler. 1985. California Shelf Physical Oceanography Circulation Model. Appendix D: Scientific Review. Dynalysis, Princeton, NJ. Dynalysis Report No. 88 D, 12 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1982. California Shelf Physical Oceanography Circulation Model--An Interim Report. Dynalysis, Princeton, NJ. Dynalysis Report No. 74, 92 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1983. California Shelf Physical Oceanography Circulation Model--First Progress Report. Dynalysis, Princeton, NJ. Dynalysis Report No. 76, 170 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model - Vol. 1. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, pp. 1-164.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model - Vol. II. Dynalysis, Princeton, NJ. Dynalysis Report No. 88.2, pp. 165-368.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix A: Climatological Atlas, A.1, Horizontal Sections. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, A.1, 190 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix A: Climatological Atlas, A.2, Vertical Sections. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, A.2, 104 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix B: Diagnostic Model Results, B.1, Seasonal Horizontal Maps. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, B.1, 194 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix B: Diagnostic Model Results, B.2, Seasonal Vertical Sections. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, 170 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix B: Diagnostic Model Results, B.3, Annual Distributions. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, B.3, 92 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix C: Prognostic Model Results, C.1, Atmospheric Forcing. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, C.1, 172 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix C: Prognostic Model Results, C.2, Seasonal Horizontal Maps. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, C.2, 194 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix C: Prognostic Model Results, C.3: Seasonal Vertical Sections 3. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, C.3, 170 pp.

AWARD DATE: 10/81 (complete)
TOTAL COST: $629,874
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Dr. James Herring
AFFILIATION: Dynalysis of Princeton, Inc., Princeton, NJ
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1985. 3-D Orthogonal Curvilinear Circulation Modelling. Proceedings of the 1985 ASCE Hydraulics Division Speciality Conference, Hydrolics and Hydrology in the Small Computer Age, Lake Buena Vista, FL. August 12-17, 1985.

Blumberg, A.F., and G.L. Mellor. 1987. A description of a three dimensional coastal circulation model. In Three-Dimensional Shelf Models, Coastal and Estuarine Sciences. N. Heaps, Ed., American Geophysical Union. Washington, D.C. pp 1-16.

Mellor, G.L., and A.F. Blumberg. 1985. Modeling Vertical and Horizontal Diffusivities with the Sigma Coordinate System. Monthy Weather Review 113(8):1379-1383.

CONTRACT NO.: CT2-63; 29123

CONTRACT TITLE: Santa Barbara Channel Circulation Model and Field Study

REPORT(S):

Brink, K.H., B.M. Hickey, C.N.K. Mooers, and J.J. Simpson. 1987. Santa Barbara Chanel Circulation Model and Field Study. Appendix F: Scientific Review. Dynalysis, Princeton, NJ. Dynalysis Report No. 92.F. 11 pp. (NTIS No. PB89213714/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1985. Santa Barbara Channel Circulation Model and Field Study. Appendix A: Pilot Program. Dynalysis, Princeton, NJ. Dynalysis Report No. 92.A (86). OCS Study MMS 87-0091. 148 pp. (NTIS No. PB89213565/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix B: Climatology. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 B. OCS Study MMS 87-0092. 66 pp. (NTIS No. PB89213573/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study, Appendix C: Observational Data. C.1: Hydrography. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.1. OCS Study MMS 87-0093. 124 pp. (NTIS No. PB89213581/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, Lagerloef, G.S.E., G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix C: Observational Data. C.2: Current Meter Data Products. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.2. OCS Study No. MMS 87-0094. 222 pp. (NTIS No. PB89213599/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix C: Observational Data. C.3: Drifter Data. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.3. OCS Study MMS 87-0095. 38 pp. (NTIS No. PB89213706/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix C: Observational Data. C.4: Wave Spectra. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.4. OCS Study MMS 87-0096. 118 pp. (NTIS No. PB89213607/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.1: Daily Horizontal Sections: Winter. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.1. OCS Study MMS 87-0097. 134 pp. (NTIS No. PB89213615/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.2: Daily Horizontal Sections: Spring. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.2. OCS Study MMS 87-0098. 186 pp. (NTIS No. PB89213623/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.3: Daily Horizontal Summer. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.3. OCS Study MMS 87-0099. 116 pp. (NTIS No. PB89213631/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.4: Daily Horizontal Sections: Fall. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.4. OCS Study MMS 87-0100. 188 pp. (NTIS No. PB89213649/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.5: Monthly and Seasonal Averages. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.5. OCS Study MMS 87-101. 152 pp. (NTIS No. PB89213656/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.6: Time Series. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.6. OCS Study MMS 87-0102. 168 pp. (NTIS No. PB89213664/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.7: Spectra. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.7. OCS Study MMS 87-0103. 84 pp. (NTIS No. PB89213672/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.8: Diagnostic Results. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.8. OCS Study MMS 87-0104. 22 pp. (NTIS No. PB89213680/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix E.1: Horizontal Distributions. Dynalysis, Princeton, NJ. Dynalysis ReportNo. 92 E.1. OCS Study MMS 87-0105. 190 pp. (NTIS No. PB89213698/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix E.2: Time Series and Spectra. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 E.2. OCS Study MMS 87-0106. 134 pp. (NTIS No. PB89213722/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1987. Santa Barbara Channel Circulation Model and Field Study Vol. I. Dynalysis, Princeton, NJ. OCS Study MMS 87-0089. pp. 1-176. (NTIS No. PB89213540/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1987. Santa Barbara Channel Circulation Model and Field Study Vol. II. Dynalysis, Princeton, NJ. OCS Study MMS 87-0090. pp. 177-394. (NTIS No. PB89213557/AS)

AWARD DATE: 09/02 (complete)
TOTAL COST: $2,491,468
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. J. Herring
AFFILIATION: Dynalysis of Princeton, Princeton, NJ
SUBCONTRACTOR(S): Science Application, Inc.
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)

OTHER PUBLICATIONS: Blumberg, A.F., L.H. Kantha, H.J. Herring, and G.L. Mellor. 1983. A Hindcast of the Circulation in the Santa Barbara Channel During Spring 1983. In Proceedings of a Symposium on Applications of Real-Time Oceanographic Circulation Modelling. The Johns Hopkins University Applied Physics Laboratory, Laurel, Maryland, May 23-24, 1985.
Brink, K.H., and R.D Muench. 1986. Circulation in the Point Conception - Santa Barbara Channel Region. Journal Geophysical Research 91(C1): 887-895.
Kantha, L.H., A.F. Blumberg, H.J. Herring, and G.R. Stegen. 1984. The Use and Testing of a Model for the Upper Ocean Dynamics. "The Ocean Surface." Toba, Y. and H. Mitsuyasu, (eds.) D. Reidel Publishing Co., pp. 547-552.

CONTRACT NO.: 30020

CONTRACT TITLE: Central California Coastal Circulation Study

REPORT(S): Tait, R, N. Plutchak, A. Bratkovich, R. Bernstein, and D. Chelton. 1985. Central California Coastal Circulation Study. Executive Summary. Progress Report to MMS. Raytheon Service Co., Ventura, CA. 22 pp.

AWARD DATE: 09/83 (active)
TOTAL COST: $3,080,932
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Robert Tait
AFFILIATION: Raytheon Service Co., Ventura, CA
SUBCONTRACTOR(S): Seaspace; Aero Marine Surveys; Oregon State University; University of Southern California

OTHER PUBLICATIONS: Chelton, D.B., A. Bratkovich, R.L. Bernstein, and P.M. Kosro. Poleward Flow Off Central California during the Spring and Summer of 1981 and 1984. Journal of Geophysical Research 93(C9):10, 604-10,620

Chelton, D.B., R.L. Bernstein, A. Bratkovich, and P.M. Dosro. The Central California Coastal Circulation Study. 1987. EOS Transactions. American Geophysical Union 68(1):1, 12-13.

CONTRACT NO.: 30312

CONTRACT TITLE: Northern California Coastal Circulation Study

REPORT(S): Active contract

AWARD DATE: 09/86 (active)
TOTAL COST: $5,074,767
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Bruce Magnell
AFFILIATION: EG&G Washington Analytic Services Center, Inc., Waltham, MA
SUBCONTRACTOR(S): Aero Marine; Scripps Institute of Oceanography; San Diego State University; SeaSpace, Inc.
COTR: Mr. Sigurd Larson
AVAILABILITY: Active contract
OTHER PUBLICATIONS: Ryther, J.H., B.A. Magnell, C.L. Greengrove, and C.A. Winant. 1988. Real Time Data Telemetry. Sea Technology 29(8):10-16.

CONTRACT NO.: 30322

CONTRACT TITLE: Coastal Wave Statistical Data Base

REPORT(S): Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Executive Summary. Vol. I. OCS Study MMS 88-0018. 11 pp. (NTIS No. PB89103253/AS)

Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Description, Application, and User's Guide. Vol. II. OCS Study MMS 88-0019. 88 pp. (NTIS No. PB89103261/AS)

Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Software Documentation. Vol. III. OCS Study MMS 88-0020. 98 pp. (Unavailable)

Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Software Documentation. Vol. III. OCS Study MMS 88-0020. 98 pp. (Unavailable)

AWARD DATE: 09/86 (complete)
TOTAL COST: $231,848
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Dr. Marshall Earle
AFFILIATION: MEC Systems Corporation, Manassas, VA
COTR: Mr. Sigurd Larson
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy) (Vol. III-contact Mr. Larson)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30384

CONTRACT TITLE: An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

REPORT(S): Active contract

AWARD DATE: 03/88 (active)
TOTAL COST: $254,713
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Dr. Christopher Miller
AFFILIATION: Greenhorn and O'Mara, Inc., Greenbelt, MD
SUBCONTRACTOR(S): University of Wyoming; Harvard University; San Diego State University
COTR: Mr. Sigurd Larson
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30389

CONTRACT TITLE: Coastal Circulation Along Washington and Oregon

REPORT(S): Short, K.S. and L.E. Hachmeister. 1988. Executive Summary. Envirosphere Company, Bellevue, WA. Vol. 1. OCS Study MMS 88-0059. 9 pp. (NTIS No. PB89126650/AS)

Short, K.S. and L.E. Hachmeister. 1988. Project Description, Analysis, and Recommendations. Envirosphere Company, Bellevue, WA. Vol. 2. OCS Study MMS 88-0059. 62 pp. (NTIS No. PB89126668/AS)

Short, K.S. and L.E. Hachmeister. 1988. Appendices. Envirosphere Company, Bellevue, WA. Vol. 3. OCS Study MMS 88-0059. 414 pp. (NTIS No. PB89126676/AS)

AWARD DATE: 09/87 (complete)
TOTAL COST: $133,469
PLANNING AREA(S): Washington and Oregon
PROGRAM MANAGER(S): Mr. Lon Hachmeister
AFFILIATION: Envirosphere Company, Bellevue, WA
COTR: Mr. Sigurd Larson
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30397

CONTRACT TITLE: Modeling the Circulation in the Southern California Bight

REPORT(S): Active contract

AWARD DATE: 09/87 (active)
TOTAL COST: $520,075
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. James Herring
AFFILIATION: Dynalysis of Princeton, Inc., Princeton, NJ
COTR: Mr. Sigurd Larson
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

8. Program Support

CONTRACT NO.: CT5-14

CONTRACT TITLE: Southern California Public Meeting

REPORT(S): Lavenbin, R.J., and S.A. Earle (Editors). 1975. Proceedings: Recommendations for Baseline Research in Southern California Relative to Offshore Resource Development. December 5-7, 1974. Southern California Academy of Sciences, Los Angeles, CA. 258 pp.

AWARD DATE: 10/74 (complete)
TOTAL COST: $18,996
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Murray Dailey
AFFILIATION: Southern California Academy of Sciences, Los Angeles, CA
COTR: Mr. Herb Hyatt
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-41

CONTRACT TITLE: Northern California Public Meeting

REPORT(S): Niesen, T.M. (Editor). 1977. Proceedings: Recommendations for Baseline Research in Central and Northern California Relative to Offshore Resource Development. October 22-24, 1976. San Francisco State University, San Francisco, CA. 280 pp.

AWARD DATE: 09/76 (complete)
TOTAL COST: $35,053
PLANNING AREA(S): Northern California
PROGRAM MANAGER(S): Dr. James Kelly
AFFILIATION: San Francisco State University, San Francisco, CA
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-54

CONTRACT TITLE: Oregon and Washington Public Meeting

REPORT(S): The Research Triangle Institute. 1977. Recommendations for Baseline Research in Washington and Oregon Relative to Offshore

Resource Development - Public Meeting, December 15-17, 1976. Portland, Oregon. The Research Triangle Institute. 308 pp.

AWARD DATE: 09/76 (complete)
TOTAL COST: $33,693
PLANNING AREA(S): General, Oregon and Washington
PROGRAM MANAGER(S): Messrs. Martin Massoglia and Robert Holton
AFFILIATION: The Research Triangle Institute, Portland, OR
COTR: Mr. Monte Jordan
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30021

CONTRACT TITLE: First Annual Environmental Studies Information Transfer Meeting

REPORT TITLE(S): Science Applications International Corporation. 1985. Proceedings of the First Annual Minerals Management Service Studies Information Transfer Meeting, Pacific OCS Region, December 11-13, 1985. Science Applications International Corporation. OCS Study MMS 85-0035, 66 pp.

AWARD DATE: 10/84 (complete)
TOTAL COST: $47,827
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Unknown
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30205

CONTRACT TITLE: Environmental Data Management System for the Pacific Region

REPORT(S): Not applicable

AWARD DATE: 11/84 (complete)
TOTAL COST: $199,997
PLANNING AREA(S): All Pacific OCS Region planning areas
PROGRAM MANAGER(S): Dr. James A. Donaldson
AFFILIATION: Howard University, Washington, DC
COTR: Mr. Martin Golden and Dr. Fred Piltz
AVAILABILITY: Not applicable
OTHER PUBLICATIONS: None

CONTRACT NO.: 30263

CONTRACT TITLE: Environmental Studies Information Transfer Meeting

REPORT(S): MBC Applied Environmental Sciences. 1986. Proceedings: Pacific OCS Region Studies Information Transfer and Exchange Meeting, December 1985. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0007. 94 pp. plus appendices.

AWARD DATE: 10/85 (complete)
TOTAL COST: $47,827
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Rick Ware
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Mr. James Turner
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30327

CONTRACT TITLE: Pacific OCS Region Information Transfer Meeting (1987/1989)

REPORT(S): MBC Applied Environmental Sciences. 1987. Pacific OCS Region 1987 Information Transfer Meeting Proceedings of a Conference 4-6 May, 1987. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 87-0076. 205 pp. plus appendices. (NTIS No. PB89103246/AS)

AWARD DATE: 09/86 (active)
TOTAL COST: $191,288
PLANNING AREA(S): All Pacific OCS planning areas
PROGRAM MANAGER(S): Mr. Robert R. Ware
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Mr. Neville Chow and Dr. Fred Piltz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30368

CONTRACT TITLE: Conference/Workshop on Recommendations for Studies in Washington and Oregon Relative to Offshore Oil and Gas Development

REPORT(S): Bio/Tech Communications. 1988. Proceedings: Conference/Workshop on Recommendations for Studies in Washington and Oregon Relative to Offshore

Oil and Gas Development, May 1988. Bio/Tech Communications, BioSystems Analysis, Inc., Portland, OR. OCS Study MMS 88-0090. 228 pp. (NTIS No. PB89192967/AS)

AWARD DATE:	09/87 (complete)
TOTAL COST:	$80,846
PLANNING AREA(S):	Oregon and Washington
PROGRAM MANAGER(S):	Ms. Janet Mandaville and Dr. Paul Fishman
AFFILIATION:	Bio Tech Communications, Portland, OR
SUBCONTRACTORS:	Fishman Environmental Services
COTR:	Mr. Martin Golden
AVAILABILITY:	Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:	None

9. Social and Economics

CONTRACT NO.: CT7-32

CONTRACT TITLE: Southern California Bight Archaeological Literature Survey and Sensitivity Zone Mapping

REPORT(S): Mishuck, E., et al. 1978. Archaeological Literature Survey and Sensitivity Zone Mapping of the Southern California Bight Area. Technical Report. Science Applications, Inc., La Jolla, CA. Vol I. 313 pp. (NTIS No. PB290741/8)

Mishuck, E., et al. 1978. Archaeological Literature Survey and Sensitivity Zone Mapping of the Southern California Area. Appendices. Science Applications, Inc., La Jolla, CA. Vol II. 964 pp. (NTIS No. PB294518)

AWARD DATE: 05/77 (complete)
TOTAL COST: $131,832
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Eli Mishuck
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. N. Jay Bassin
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-02

CONTRACT TITLE: Land Use and Economic Impacts in the San Francisco Bay Area Region

REPORT(S): Wambem, D., and M. Osborn. 1980. Land Use and Economic Impacts in the San Francisco Bay Area Region

AWARD DATE: 09/79 (complete)
TOTAL COST: $9,416
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Mr. Stan Hoffman, ABAG
AFFILIATION: Association of Bay Area Governments, Oakland, CA
COTR: Messrs. John Lane and Bill Peters
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Peters, W.E. 1980. Onshore Economic Impact Analysis of Proposed OCS Sale No. 53 for Central and Northern California. 1980. POCS Reference Paper No. 53-3, 157 pp.

CONTRACT NO.: CTO-63; 29019

CONTRACT TITLE: Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources

REPORT(S): The Granville Corporation. 1981. Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Final Report. Vol. I. Executive Summary. The Granville Corporation, Washington, DC. POCS Technical Paper No. 81-5. 19 pp. (NTIS No. PB82192295)

The Granville Corporation. 1981. Inventory and Evaluation of California Coastal Recreation and Aesthetic. Synthesis of Findings. The Granville Corporation, Washington, DC. Vol. II. POCS Technical Paper No. 81-5. 312 pp. (NTIS No. PB82192303)

The Granville Corporation. 1981. Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Appendices. The Granville Corporation, Washington, DC. Vol. III. POCS Technical Paper No. 81-5. 346 pp. (NTIS No. PB82192303)

AWARD DATE: 09/80 (complete)
TOTAL COST: $235,976
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Ted Miller
AFFILIATION: The Granville Corporation, Washington, DC
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT1-01

CONTRACT TITLE: The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara County

REPORT(S): Blayney-Dyett. 1981. The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara and Ventura Counties. POCS Technical Paper No. 81-4. 111 pp.

AWARD DATE: 01/81 (complete)
TOTAL COST: $9,899
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. M. Dyett
AFFILIATION: Blayney-Dyett; Urban and Regional Planners, San Francisco, CA

COTR: Mr. Martin Golden
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30026

CONTRACT TITLE: Cumulative Socioeconomic Impacts of OCS Oil and Gas Development in the Santa Barbara Channel Region

REPORT(S): Centaur Associates, Inc. 1984. Cumulative Socioeconomic Impacts of Oil and Gas Development in the Santa Barbara Channel Region: A Case Study. Centaur Associates, Inc., Washington, DC. OCS Study MMS 84-0059. 307 pp. (NTIS No. PB85135978)

AWARD DATE: 09/83 (complete)
TOTAL COST: $171,200
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Michael L. Frankel
AFFILIATION: Centaur Associates, Inc., Washington, DC
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30164

CONTRACT TITLE: Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities

REPORT(S): ECOS Management Criteria, Inc. 1985. Economic and Demographic Profile of San Luis Obispo County, California. ECOS Management Criteria, Inc. OCS Study MMS 85-0015. 252 pp.

Centaur Associates, Inc. 1985. Facilities Related to Outer Continental Shelf Oil and Gas Development Offshore California: A Factbook. Centaur Associates, Inc. OCS Study MMS 85-0053. 180 pp. plus appendices.

AWARD DATE: 10/84 (complete)
TOTAL COST: $126,446
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Jorge E. Rivera
AFFILIATION: ECOS Management Criteria, Inc., Cypress, CA
SUBCONTRACTOR(S): Centaur Associates, Inc.

COTR: Mr. Martin Golden
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30166

CONTRACT TITLE: Impacts of Outer Continental Shelf Development on Recreation and Tourism

REPORT(S):

Merchant, J. (Manager). 1987. Impacts of Outer Continental Shelf Development on Recreation and Tourism. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 1. OCS Study MMS 87-0064. 23 pp.

Merchant, J. (Manager). 1987. Impacts of Outer Continental Shelf Development on Recreation and Tourism. Final Report and Case Studies. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 2. OCS Study MMS 87-0065. 212 pp.

Merchant, J. (Manager). 1987. Impacts of Outer Continental Shelf Development on Recreation and Tourism. Detailed Methodology. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 3. OCS Study MMS 87-0066. 238 pp.

Merchant, J. (Manager). 1985. Impacts of Outer Continental Shelf Development on Recreation and Tourism. User's Manual. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 4. OCS Study MMS 87-0067. 54 pp.

Merchant, J. (Manager). 1985. Impacts of Outer Continental Shelf Development on Recreation and Tourism. Program Logic Manual. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 5. OCS Study MMS 87-0068. 82 pp.

Walsh, R. Comments on OCS Impacts of California Coastal Recreation. David M. Dornbusch and Co., Inc., San Francisco, CA. 15 pp.

AWARD DATE: 09/84 (complete)
TOTAL COST: $271,407
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. James Merchant
AFFILIATION: David M. Dornbush and Co., San Francisco, CA
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30272

CONTRACT TITLE: Archaeological Resource Study: Morro Bay to Mexican Border

REPORT(S): Pierson, L.J., G.I. Shiller and R.A. Slater. 1987. Archaeological Resource Study: Morro Bay to Mexican Border. PS Associates, Cardiff, CA. Bibliography. Vol. I. OCS Study MMS 87-0025. 199 pp. (NTIS No. PB89192975/AS)

Pierson, L.J., G.I. Shiller and R.A. Slater. 1987. Archaeological Resource Study: Morro Bay to Mexican Border. PS Associates, Cardiff, CA. Appendices. Vol. II. OCS Study MMS 87-0025. 300 pp. (NTIS No. PB89192975/AS)

AWARD DATE: 1987 (complete)
TOTAL COST: $100,953
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. G. Shiller
AFFILIATION: PS Associates, Cardiff, CA
COTR: Dr. Ed Friedman
AVAILABILITY: NTIS, Pacific OCS Region (loan or reading copy) (Isopach Maps available at POCS Region on microfiche)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30315

CONTRACT TITLE: Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties

Kearney, A.T., Inc. 1987. Baseline Socioeconomic Profiles of Coastal Counties in the Northern California Planning Area. A.T. Kearney, Inc., Washington, DC. OCS Study MMS 87-0052. 424 pp. plus appendices. (NTIS No. PB89103212/AS)

Kearney, A.T., Inc. 1987. Baseline Socioeconomic Profiles of Coastal Counties in the Central California Planning Area. A.T. Kearney, Inc., Washington, DC. OCS Study MMS 87-0053. 850 pp. plus appendices. (NTIS No. PB89103220/AS)

Kearney, A.T., Inc. 1987. Baseline Socioeconomic Profiles of Coastal Counties in the Southern California Planning Area. A.T. Kearney, Inc., Washington, DC. OCS Study MMS 87-0054. 563 pp. plus appendices. (NTIS No. PB89103238/AS)

Kearney, A.T., Inc. 1988. Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Coastal Washington). A.T. Kearney, Inc., Washington, DC. OCS Study MMS 88-0084. 922 pp. 4-volume set.
Vol. I, Chapters 1-2, (NTIS No. PB89217608/AS)
Vol. II, Chapters 3-4, (NTIS No. PB89217616/AS)
Vol. III, Chapters 5-6, (NTIS No. PB89217624/AS)
Vol. IV, Chapters 7-8, plus appendices (NTIS No. PB89217632/AS)

Kearney, A.T., Inc. 1988. Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Coastal Oregon). A.T. Kearney, Inc., Washington, DC. OCS Study MMS 88-0085. 900 pp. 4-volume set.
Vol. I, Chapters 1-2, (NTIS No. PB89217640/AS)
Vol. II, Chapters 3-4, (NTIS No. PB89217657/AS)
Vol. III, Chapters 5-6, (NTIS No. PB89217665/AS)
Vol. IV, Chapters 7-8, plus appendices (NTIS No. PB89217673/AS)

Kearney, A.T., Inc. 1988. Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Puget Sound Area, Washington). A.T. Kearney, Inc., Washington, DC. pp. OCS Study MMS 88-0086. Part 1, 722 pp., Part 2, 560 pp. 4-volume set.
Part 1, Vol. I, Chapters 1-3, (NTIS No. PB89217681/AS)
Part 1, Vol. II, Chapters 4-9, plus appendices (NTIS No. PB89217699/AS)
Part 2, Vol. I, Chapters 1-7, (NTIS No. PB8921707/AS)
Part 2, Vol. II, Chapters 8-9, plus appendices (NTIS No. PB89217715/AS)
(NTIS No. PB89217590/AS for set)

AWARD DATE: 09/86 (complete)
TOTAL COST: $339,487 - Years I-III
PLANNING AREA(S): All Pacific OCS planning areas
PROGRAM MANAGER(S): Dr. Paul Kolp
AFFILIATION: Centaur Associates, Inc., Washington, DC
COTR: Mr. Neville Chow and Dr. Fred Piltz
AVAILABILITY: NTIS, Depository Libraries, Pacific Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 17491

CONTRACT TITLE:	Inventory and Evaluations of Washington and Oregon Coastal Recreational Resources
REPORT(S):	Active contract
AWARD DATE:	09/88 (active)
TOTAL COST:	$158,318
PLANNING AREA(S):	Washington and Oregon
PROGRAM MANAGER(S):	Mr. Darryl R. Johnson
AFFILIATION:	National Park Service (IA), Seattle, WA
COTR:	Mr. Gordon Reetz
AVAILABILITY:	Active contract
OTHER PUBLICATIONS:	None

10. Other Reports

POCS Reference Paper No. 53-1 - Proposed Oil and Gas Transportation Scenarios of Proposed OCS Sale No. 53. 27 pp. 1980.

POCS Reference Paper No. 53-2 - Oil Spill Risk Analysis of Proposed OCS Sale No. 53 for Central and Northern California. 28 pp. 1980.

POCS Reference Paper No. 53-3 - Onshore Economic Impact Analysis of Proposed OCS Sale No. 53 for Central and Northern California. 157 pp. 1980.

POCS Referecne Paper No. 53-4 - Recovery of Benthic Marine Populations Along the Pacific Coast of the United States Following Natural and Man-made Disturbances Including Pertinent Life History Information. 48 pp. 1980.

POCS Reference Paper No. 53-5 - Air Quality Impact of Proposed OCS Sale No. 53 Offshore Central and Northern California. 430 pp. plus Appendices. Supplement. 45 pp. 1980.

POCS Technical Paper No. 81-1 - Proposed Oil and Gas Transporation Scenario of Proposed OCS Sale No. 68 Offshore Southern California. 13 pp. 1981.

POCS Technical Paper No. 81-2 - Oil Spill Risk Analysis of Proposed OCS Sale No. 68 Offshore Southern California. 48 pp. 1981.

POCS Technical Paper No. 81-3 - Economic Impacts of Proposed OCS Sale No. 68 Offshore Southern California. 38 pp. 1981.

POCS Technical Paper No. 81-4 - The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara and Ventura Counties. 111 pp. 1981.

POCS Technical Paper No. 81-5 - Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Appendices. Vol. I. Executive Summary. Vol. II. Synthesis of Findings. Vol. III. Appendices. 677 pp. 1981.

POCS Technical Paper No. 81-6 - Marine Mammals of the Southern California Bight. 96 pp. 1981.

POCS Technical Paper No. 81-7 - Air Quality Impact of Proposed OCS Sale No 68 Offshore Southern California. 657 pp. Supplement. 23 pp. 1981.

POCS Technical Paper No. 81-8 - Results of the 1976-78 Baseline Studies and Analysis Program: Subtidal Benthic Environments of the Southern California Bight. 73 pp. 1981.

POCS Technical Paper No. 81-9 - Marine Mammals and Seabirds Surveys of the Southern California Bight Area. Executive Summary. Years I-III. 40 pp. 1981.

POCS Technical Paper No. 82-1 - Marine Mammal and Seabird Study Central and Northern California - Annual Progress Report. 213 pp. 1982.

POCS Technical Paper No. 82-2 - Physical Oceanography and Meteorology of the California Outer Continental Shelf. 308 pp. 1982.

POCS Technical Paper No. 82-3 - Results of the Minerals Management Service-Funded West Coast Meteorological Buoy Monitoring Network. 587 pp. 1982.

POCS Technical Paper No. 83-1 - Oil and Gas Transportation Scenario for the Southern Santa Maria Basin Offering for October 1983. 17 pp. 1983.

POCS Technical Paper No. 83-2 - Air Quality Impact of the Proposed OCS Lease Sale No. 73 Offshore Central California. Executive Summary. 262 pp. 1983.

POCS Technical Paper No. 83-3 - Economic Impacts of Proposed OCS Sale No. 73. 262 pp. Executive Summary. 26 pp. 1983.

POCS Technical Paper No. 83-4 - An Oilspill Risk Analysis for Proposed OCS Lease Sale No. 73. 67 pp. 1983.

POCS Technical Paper No. 83-5 - Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. 226 pp. 1982.

POCS Technical Paper No. 83-6 - Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. Executive Summary. 34 pp. 1982.

POCS Technical Paper No. 83-7 - Oil and Gas Transportation Scenario for Proposed Southern California Lease Offering, February 1984. 27 pp. 1983.

POCS Technical Paper No. 83-8 - Air Quality Impact of the Proposed Southern California OCS Lease Offering in 1984. Executive Summary. Form & Substance, Inc. 343 pp. 1983.

POCS Technical Paper No. 83-9	- An Oilspill Risk Analysis for Southern California Lease Offering, February 1984. 115 pp. 1983.
POCS Technical Paper No. 83-10	- Economic Impacts of Proposed Southern Lease Offering February 1984. 25 pp. 1983.
POCS Technical Paper No. 83-11	- Summary of Available Population Information on California Sea Otters. 29 pp. 1983.
POCS Technical Paper No. 83-12	- A Handbook for Estimating the Potential Air Quality Impacts Associated with Oil and Gas Development Offshore California. 612 pp. 1983.
POCS Reference Paper No. I	- Seabirds and Marine Mammals of the Southern California Bight. 106 pp. 1978.
POCS Reference Paper No. II	- Description of the Coastal Environment from Pt. Reyes to Punta Eugenia. 981 pp. 1978. 3 volumes.
POCS Reference Paper No. III	- Benthic Organisms and Estuarine Communities of the Southern California Bight. 221 pp. 1978.
POCS Reference Paper No. IV	- Onshore Economic and Water Quality Impact Analysis of Proposed OCS Sale No. 48. 203 pp. 1978.
POCS Reference Paper No. V	- Air Quality Impact of Proposed OCS Sale No. 48 on Southern California. 462 pp. 1978.
POCS Reference Paper No. VI	- Oil Spill Risk Analysis for the Southern California OCS Lease Area, Proposed OCS Sale No. 48. 95 pp. 1978.
Open-File Report 81-605	- An Oilspill Risk Analysis for the Southern California (Proposed Sale 68) Outer Continental Shelf Lease Area (USGS). 1981.
In-house Report	- Anderson, C.M., J.J. Notario, R.P. LaBelle, and A.D. Lucas. 1987. Oil-Spill Risk Analysis: Northern California (Proposed Sale 91) Outer Continental Shelf. OCS Study MMS 87-0085. 115 pp. (NTIS No. PB88122486).

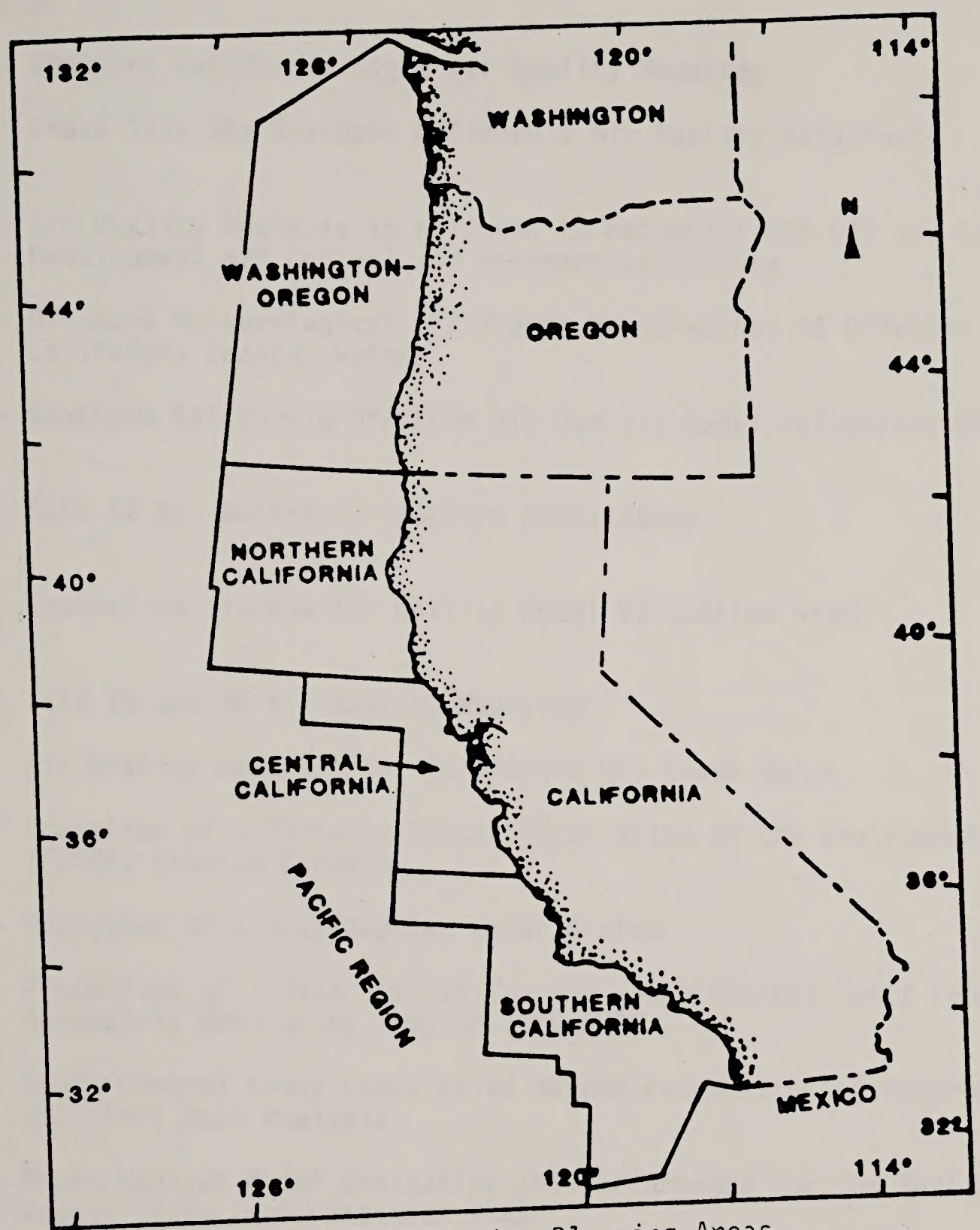

Figure 1. Pacific OCS Region Planning Areas

11. Pacific OCS Region Studies Identified by Planning Area(s)

Southern California Planning Area

Air Quality

CT7-18 - Southern California Bight Air Quality Modeling

CT8-50; 29086 - Lease Sale 48; Southern California Air Quality Assistance

CT9-23 - Air Quality Analysis in Relation to Potential OCS Oil and Gas Development off Central and Northern California

IA0-43; 29018 - Offshore Meteorological and Tracer Measurements in Offshore Southern California Coastal Waters

CT0-56; 29101 - Southern California Offshore Air Quality Model Validation Study

CT0-64; 29020 - Sale 68 Air Quality Trajectory Model Study

IA2-01; 29025 - Central California Air Quality Model Validation Study

29110 - Sale 73 and 80 Air Quality Modeling

30127 - Air Quality Modeling for California OCS Lease Sales

30261 - Operation of a Portable Remote Observation of the Environment (PROBE) Station Network

30277 - Operation of a Dual-Doppler Radar System

30302 - Production of a Data Archive for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP)

30329 - South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP) Data Analysis

30400 - Photochemical Model Evaluation and Performance for the Santa Barbara County State Implementation Plan

30415 - Photochemical Model Evaluation

Baseline

CT5-52; 29079 - Southern California Baseline Study and Analysis Year I., 1975-76

CT6-40; 29080 - Southern California OCS Environmental Baseline Study Year II., 1976-77

CT7-44; 29083 - Intertidal Study of the Southern California Bight Year III. 1977-78

Biology and Ecology

CT4-01 - A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas

CT8-43; 29087 - Tanner and Cortez Banks Reconnaissance and Characterization Study

CT9-04 - Mainland Rocky Intertidal Aerial Survey from Point Arguello to Point Loma

30032 - Monitoring: Assessment of Long-term Changes in the Biological Communities. Phase I. Benthic Reconnaissance of the Santa Maria Basin and Western Santa Barbara Channel

30050 - Mitigation of Sea Floor Conflicts Between Oil and Gas Pipelines and Commercial Trawl Fisheries on the California Outer Continental Shelf

30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities: Phase II

30273 - Study of Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California

30294 - California Outer Continental Shelf Fisheries Data Base

30341 - Ecology of the Southern California Bight: A Synthesis and Interpretation

30388 - Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas

30454 - Washington, Oregon, and California OCS Fisheries Data Base

Endangered Species

CT5-28 - Marine Mammal and Seabird Survey of the Southern California Bight Area Year I.

CT6-26 - Southern California Marine Mammal and Seabird Study Year II.

CT7-36; 29082 - Summary of Marine Mammals and Seabirds Surveys of the Southern California Bight Area Year III. 1975-78

30023 - Synthesis of Available Population Information on California Sea Otters

30033 - Population Status of California Sea Otters

30157 - Sea Otter Oil Spill Mitigation Study

30183 - California Seabird Ecology Study

30224 - A Risk Analysis Model for Marine Mammals and Seabirds: A Southern California Bight Scenario

30256 - Sea Otter Oil Spill Avoidance Study

ON14257 - Diving Patterns of Free Swimming Female Northern Elephant Seals

30306 - Gray Whale Monitoring Study

30451 - Biological Impacts of Translocated Sea Otters

Fates, Effects and Chemistry

CT7-38 - Barium and Vanadium Methodology Study

CT9-02 - Formation Water Dispersion Study

CTO-70; 29102 - California Seabird Oil Spill Behavior Study

CTO-74; 29105 - California Commercial/Sport Fish and Shell Fish Oil Toxicity Study

CT1-60; 29112 - Seabird Oil Toxicity Study

CT2-54; 29122 - An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms

30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges

30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure

30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities: Phase II

Geology

MU5-34 - Environmental Geology of Selected Areas of the Southern California Continental Borderland

MU8-10 - Erosion and Transport of Sediments and Pollutants on the San Pedro Shelf, Southern California

MU8-15 - Southern California Shelf and Ridge Geophysical and Geological Hazards Study

IA1-22; 29107 - California Geological Hazards Assessment for Proposed Lease Areas for OCS Sales 73 and 80

Physical Oceanography and Meteorology

IA9-02 - A Climatological and Oceanographic Analysis of the California Pacific OCS Region

CT0-62 - Summary and Analysis of Northern California Meteorological Buoy Data

IA0-29; 29097 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

CT1-67; - California Shelf Physical Oceanographic Circulation Model

IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network (Also see 29097)

29117 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

29123 - Santa Barbara Channel Circulation Model and Field Study

30008 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30143 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30248 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

CT1-67; 29113 - California Shelf Physical Oceanography Circulation Study

30020 - Central California Coastal Circulation Study

30322 - Coastal Wave Statistical Data Base

30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

30397 - Modeling the Circulation in the Southern California Bight

Social and Economics

CT7-32 - Southern California Bight Archaeological Literature Survey and Sensitivity Zone Mapping

CTO-63; 29019 - Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources

CT1-01 - The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara County

30026 - Cumulative Socioeconomic Impacts of OCS Oil and Gas Development in the Santa Barbara Channel Region: A Case Study

30164 - Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities

30166 - Impacts of Outer Continental Shelf Development on Recreation and Tourism

30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties

Program Support

CT5-14 - Southern California Public Meeting

30021 - First Annual Environmental Studies Information Transfer Meeting

30263 - Environmental Studies Information Transfer Meeting

30205 - Environmental Data Management System for the Pacific Region

30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)

Central California Planning Area

Air Quality

CT9-23 - Air Quality Analysis in Relation to OCS Potential Oil and Gas Development off the Central and Northern California Coast

IA2-01; 29025 - Central California Air Quality Model Validation Study

CT2-06; 29114 - Central California Coastal Air Quality Model Validation Study: Data Analysis and Model Evaluation

29110 - Sale 73 and 80 Air Quality Modeling

Baseline

None

Biology and Ecology

MU9-12; 29010 - Ecological Characterization of the Central and Northern California Coastal Region

CT6-52; 29081 - A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas

CTO-73; 29104 - Oil Spill Risk Assessment of Coastal and Marine Habitats in Central and Northern California

30050 - Mitigation of Sea Floor Conflicts Between Oil and Gas Pipelines and Commercial Trawl Fisheries on the California Outer Continental Shelf

30057 - Successional and Seasonal Variation of the Central and Northern California Rocky Intertidal Communities As Related to Natural and Man-Induced Disturbances

30273 - Study of Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California

30294 - California Outer Continental Shelf Fisheries Data Base

30388 - Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas

30454 - Washington, Oregon, and California OCS Fisheries Data Base

Endangered Species

MU9-13; 29088 - Seabird Nesting and Seasonal Use: Survey for the Central and Northern California Coastal Region

29090 - Central and Northern California Marine Mammal and Seabird Study

30023 - Synthesis of Available Population Information on California Sea Otters

30033 - Population Status of California Sea Otters

30157 - Sea Otter Oil Spill Mitigation Study

30183 - California Seabird Ecology Study

30256 - Sea Otter Oil Spill Avoidance Study

ON14257 - Diving Patterns of Free Swimming Female Northern Elephant Seals

30306 - Gray Whale Monitoring Study

30451 - Biological Impacts of Translocated Sea Otters

30456 - Seabird Nesting Survey for the Central and Northern California Region and Preparation of the Catalog of California Seabird Colonies

Fates, Effects and Chemistry

CT7-38 - Barium and Vanadium Methodology Study

CTO-70; 29102 - California Seabird Oil Spill Behavior Study

CTO-74; 29105 - California Commercial/Sport Fish and Shell Fish Oil Toxicity Study

CT1-60; 29112 - Seabird Oil Toxicity Study

CT2-54; 29122 - An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms

30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges

30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure

30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities: Phase II

Geology

MU9-19 - Geologic Hazards Assessment for Proposed Lease Sale No. 53, Central and Northern California

IA1-22; 29107 - California Geological Hazards Assessment for Proposed Lease Areas for OCS Sales 73 and 80

Physical Oceanography and Meteorology

IA2-02 29026 - Central California Nearshore Current Study

IA9-02 - A Climatological and Oceanographic Analysis of the California Pacific OCS Region

CTO-62 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

IAO-29; 29097 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meterological Buoy Monitoring Network (Also see 29097)

CT1-67; 29113 - California Shelf Physical Oceanography Circulation Study

29117 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30008 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30143 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30248 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

CT1-67; 29113 - California Shelf Physical Oceanography Circulation Study

30020 - Central California Coastal Circulation Study

30322 - Coastal Wave Statistical Data Base

30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

Social and Economics

CT9-02 - Land Use and Economic Impacts in the San Francisco Bay Area Region

30026 - Cumulative Socioeconomic Impacts of OCS Oil and Gas Development in the Santa Barbara Channel Region: A Case Study

30164 - Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities

30166 - Impacts of Outer Continental Shelf Development on Recreation and Tourism

30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties

Program Support

CT6-41 - Northern California Public Meeting

30205 - Environmental Data Management System for the Pacific Region

30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)

Northern California Planning Area

Air Quality

CT9-23 - Air Quality Analysis in Relation to OCS Potential Oil and Gas Development off the Central and Northern California Coast

30127 - Air Quality Modeling for California OCS Lease Sales

Baseline

None

Biology and Ecology

CT6-52; 29081 - A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas

MU9-12; 29010 - Ecological Characterization of the Central and Northern California Coastal Region

CTO-73; 29104 - Oil Spill Risk Assessment of Coastal and Marine Habitats in Central and Northern California

30057 - Successional and Seasonal Variation of the Central and Northern California Rocky Intertidal Communities As Related to Natural and Man-Induced Disturbances

30273 - Study of Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California

30294 - California Outer Continental Shelf Fisheries Data Base

30388 - Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas

30429 - An Evaluation of Spawning and Recruitment Patterns of Fishes off Northern California, Oregon and Washington

30454 - Washington, Oregon, and California OCS Fisheries Data Base

Endangered Species

MU9-13; 29088 - Seabird Nesting and Seasonal Use: Survey for the Central and Northern California Coastal Region

29090 - Central and Northern California Marine Mammal and Seabird Study

30183 - California Seabird Ecology Study

30256 - Sea Otter Oil Spill Avoidance Study

30306 - Gray Whale Monitoring Study

30456 - Seabird Nesting Survey for the Central and Northern California Region and Preparation of the Catalog of California Seabird Colonies

Fates, Effects and Chemistry

CT7-38 - Barium and Vanadium Methodology Study

CTO-70; 29102 - California Seabird Oil Spill Behavior Study

CTO-74; 29105 - California Commercial/Sport Fish and Shell Fish Oil Toxicity Study

CT1-60; 29112 - Seabird Oil Toxicity Study

CT2-54; 29122 - An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms

30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges

30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure

Geology

MU8-09 - Potential Geological Hazards to Oil and Gas Development in the Eel River Basin Off Northern California and Coos Bay, Oregon

MU9-19 - Geologic Hazards Assessment for Proposed Lease Sale No. 53, Central and Northern California

IA1-22; 29107 - California Geological Hazards Assessment for Proposed Lease Areas for OCS Sales 73 and 80

Physical Oceanography and Meteorology

IA9-02 - A Climatological and Oceanographic Analysis of the California Pacific OCS Region

CTO-62 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

IAO-29; 29097 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meterological Buoy Monitoring Network (Also see 29097)

29117 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30008 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30143 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30248 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

CT1-67; 29113 - California Shelf Physical Oceanography Circulation Study

30312 - Northern California Coastal Circulation Study

30322 - Coastal Wave Statistical Data Base

30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

Social and Economics

CT9-02 - Land Use and Economic Impacts in the San Francisco Bay Area Region

30164 - Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities

30166 - Impacts of Outer Continental Shelf Development on Recreation and Tourism

30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties

Program Support

CT6-41 - Northern California Public Meeting

30205 - Environmental Data Management System for the Pacific Region

30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)

Washington and Oregon Planning Area

Air Quality

None

Baseline

None

Biology and Ecology

CT6-15 - A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas

30273 - Study of Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California

30429 - An Evaluation of Spawning and Recruitment Patterns of Fishes off Northern California, Oregon and Washington

30445 - Fish Assemblages of Rocky Banks of the Pacific Northwest

30454 - Washington, Oregon, and California OCS Fisheries Data Base

Endangered Species

30256 - Sea Otter Oil Spill Avoidance Study

30306 - Gray Whale Monitoring Study

30426 - Oregon and Washington Marine Mammal and Seabird Surveys

Fates, Effects and Chemistry

CTO-70; 29102 - California Seabird Oil Spill Behavior Study

30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges

30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure

Geology

MU8-09 - Potential Geological Hazards to Oil and Gas Development in the Eel River Basin Off Northern California and Coos Bay, Oregon

Physical Oceanography and Meteorology

30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

CT1-67 - California Shelf Physical Oceanography Circulation Study
29113

30322 - Coastal Wave Statistical Data Base

30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

30389 - Coastal Circulation Along Washington and Oregon

Social and Economics

30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties

17491 - Inventory and Evaluations of Washington and Oregon Coastal Recreational Resources

Program Support

CT6-54 - Oregon and Washington Public Meeting

30205 - Environmental Data Management System for the Pacific Region

30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)

30368 - Conference/Workshop on Recommendations for Studies in Washington and Oregon Relative to Offshore Oil and Gas Development

12. Information Services

United States Department of the Interior (DOI)
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1340 West Sixth Street
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Public Affairs Office
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U.S. Department of Commerce
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NSTL, Mississippi 39529
(Oceanographic Data)

National Oceanic and Atmospheric Administration
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(FTS) 798-3379

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(Librarian)
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(FTS) 798-2039

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Minerals Management Service
Office of Offshore Information (OIP)
and Publications
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Herndon, VA 22070-4817

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Sacramento, California 95814

California Polytechnic State
University
Library
San Luis Obispo, California 93407

University of California
General Library
Government Documents
Berkeley, California 94720

Environmental Protection Agency
Region IX Library
215 Fremont Street
San Francisco, California 94150

Association of Monterey Bay Area
Governments
977-A Pacific Street
Monterey, California 93940

Santa Barbara Museum of Natural
History
Library
2559 Puesta del Sol
Santa Barbara, California 93105

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Santa Cruz, California 95064

Scripps Institute of Oceanography
Library
Reference Librarian USDC-075C
La Jolla, California 92093

University of California
Public Affairs Service/URS. Docts.
U.C.L.A. Research Library
405 Hilgard Avenue
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Santa Barbara, California 93102

College of the Redwoods
Mendocino Coast Education Center
1211 Del Mar Drive
Fort Bragg, California 95437

California Coastal Commission
631 Howard Street, 4th Floor
San Francisco, California 94105

Oregon

Multnomah County Library
Technical Services
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Charleston, Oregon 97420

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Washington

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Port Angeles, Washington 98362

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Fisheries-Oceanography Library WB30
151 Oceanography Teaching Build.
Seattle, Washington 98195

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Olympia, Washington 98505

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Olympia, Washington 98504

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1200 6th Avenue
Seattle, Washington 98101

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1000 Fourth Avenue
Seattle, Washington 98104

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Ventura, California 93001

U.S. National Marine Fisheries Service
Southwest Region
300 South Ferry Street
Terminal Island, California 90731

U.S. National Marine Fisheries Service
Southwest Fisheries Center
Library
P.O. Box 217
La Jolla, California 92038

California Department of Fish and Game
245 West Broadway
Long Beach, California 90802

California State Lands Commission
245 West Broadway, Suite 425
Long Beach, California 90802

U.S. Geological Survey
Library
345 Middlefield Road
Menlo Park, California 94025

U.S. Fish and Wildlife Service
500 N.E. Multnomah Street, Room 1692
Portland, Oregon 97232

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